

University of Dundee

DOCTOR OF PHILOSOPHY

A qualitative and quantitative analysis of the developing human lumbar vertebral column

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One Way Analysis of Variance

11 December 2018 15:02:33

Data source: 1C in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.987)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

11 December 2018 15:02:33

Data source: 1C in Fetal BVTV

Group	N	Missing	Median	25%	75%
L1	3	1	32.137	30.637	33.638
L3	3	0	22.211	18.328	26.892
L5	3	1	30.294	28.038	32.549

H = 4.714 with 2 degrees of freedom. P(est.)= 0.095 P(exact)= 0.048

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.048)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L1 vs L3	4.000	2.028	0.128	No
L1 vs L5	1.000	0.463	1.000	Do Not Test
L5 vs L3	3.000	1.521	0.385	Do Not Test

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

11 December 2018 14:57:54

Data source: 1I in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.819)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.157)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	32.478	1.962	1.388
L3	3	0	27.395	3.294	1.902
L5	3	1	36.164	0.0405	0.0287

Source of Variation	DF	SS	MS	F	P
Between Groups	2	95.813	47.906	7.501	0.044
Residual	4	25.547	6.387		
Total	6	121.360			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.044).

Power of performed test with alpha = 0.050: 0.573

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	8.769	3.801	0.056	No
L1 vs. L3	5.083	2.203	0.176	No
L5 vs. L1	3.686	1.459	0.218	No

One Way Analysis of Variance

11 December 2018 15:04:15

Data source: 1S in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.114)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

11 December 2018 15:04:15

Data source: 1S in Fetal BVTV

Group	N	Missing	Median	25%	75%
L1	3	1	33.432	33.284	33.580
L3	3	0	22.591	17.481	25.606
L5	3	1	33.008	32.958	33.059

H = 5.357 with 2 degrees of freedom. P(est.)= 0.069 P(exact)= 0.029

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.029)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L1 vs L3	4.500	2.282	0.067	No
L1 vs L5	2.000	0.926	1.000	Do Not Test
L5 vs L3	2.500	1.268	0.615	Do Not Test

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

11 December 2018 15:06:09

Data source: 2C in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.637)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.207)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	28.582	2.544	1.799
L3	3	0	21.197	4.452	2.570
L5	3	1	28.977	4.519	3.195

Source of Variation	DF	SS	MS	F	P
Between Groups	2	98.701	49.350	2.967	0.162
Residual	4	66.528	16.632		
Total	6	165.229			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.162).

Power of performed test with alpha = 0.050: 0.217

The power of the performed test (0.217) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

11 December 2018 15:04:57

Data source: 2I in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.363)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

11 December 2018 15:04:57

Data source: 2I in Fetal BVTV

Group	N	Missing	Median	25%	75%
L1	3	1	30.344	28.454	32.234
L3	3	0	24.245	22.533	26.694
L5	3	1	31.421	31.190	31.653

H = 4.500 with 2 degrees of freedom. P(est.)= 0.105 P(exact)= 0.067

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.067)

One Way Analysis of Variance

11 December 2018 15:07:05

Data source: 2S in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.405)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.209)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	33.195	3.100	2.192
L3	3	0	24.624	2.149	1.241
L5	3	1	31.997	1.183	0.837

Source of Variation	DF	SS	MS	F	P
Between Groups	2	110.386	55.193	10.905	0.024
Residual	4	20.245	5.061		
Total	6	130.631			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.024).

Power of performed test with alpha = 0.050: 0.751

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L1 vs. L3	8.571	4.174	0.041	Yes
L5 vs. L3	7.373	3.590	0.045	Yes
L1 vs. L5	1.198	0.533	0.622	No

One Way Analysis of Variance

11 December 2018 15:47:04

Data source: 3C in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.344)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.345)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	32.050	4.094	2.895
L3	3	0	21.814	2.520	1.455
L5	3	1	29.621	1.930	1.365

Source of Variation	DF	SS	MS	F	P
Between Groups	2	145.400	72.700	8.762	0.035
Residual	4	33.188	8.297		
Total	6	178.588			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.035).

Power of performed test with alpha = 0.050: 0.648

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L1 vs. L3	10.235	3.893	0.052	No
L5 vs. L3	7.806	2.969	0.081	No
L1 vs. L5	2.429	0.843	0.447	No

One Way Analysis of Variance

11 December 2018 15:21:19

Data source: 3I in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.239)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.508)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	33.056	2.046	1.447
L3	3	0	21.061	2.393	1.382
L5	3	1	32.432	2.550	1.803

Source of Variation	DF	SS	MS	F	P
Between Groups	2	234.376	117.188	21.172	0.007
Residual	4	22.141	5.535		
Total	6	256.516			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.007).

Power of performed test with alpha = 0.050: 0.960

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L1 vs. L3	11.995	5.585	0.015	Yes
L5 vs. L3	11.371	5.295	0.012	Yes
L1 vs. L5	0.624	0.265	0.804	No

One Way Analysis of Variance

11 December 2018 15:47:59

Data source: 3S in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.971)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

11 December 2018 15:47:59

Data source: 3S in Fetal BVTV

Group	N	Missing	Median	25%	75%
L1	3	1	33.868	31.513	36.222
L3	3	0	22.483	21.964	23.643
L5	3	1	30.696	29.381	32.010

H = 4.714 with 2 degrees of freedom. P(est.)= 0.095 P(exact)= 0.048

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.048)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L1 vs L3	4.000	2.028	0.128	No
L1 vs L5	1.000	0.463	1.000	Do Not Test
L5 vs L3	3.000	1.521	0.385	Do Not Test

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

11 December 2018 15:50:30

Data source: 4C in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.546)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.429)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	34.796	5.076	3.589
L3	3	0	27.249	2.415	1.394
L5	3	1	34.107	1.689	1.194

Source of Variation	DF	SS	MS	F	P
Between Groups	2	89.417	44.708	4.440	0.096
Residual	4	40.281	10.070		
Total	6	129.697			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.096).

Power of performed test with alpha = 0.050: 0.345

The power of the performed test (0.345) is below the desired power of 0.800.

Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

11 December 2018 15:49:20

Data source: 4I in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.946)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.051)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	37.994	1.634	1.155
L3	3	0	28.232	3.085	1.781
L5	3	1	36.628	1.052	0.744

Source of Variation	DF	SS	MS	F	P
Between Groups	2	143.168	71.584	12.554	0.019
Residual	4	22.808	5.702		
Total	6	165.976			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.019).

Power of performed test with alpha = 0.050: 0.811

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L1 vs. L3	9.762	4.478	0.033	Yes
L5 vs. L3	8.396	3.852	0.036	Yes
L1 vs. L5	1.366	0.572	0.598	No

One Way Analysis of Variance

11 December 2018 15:52:05

Data source: 4S in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.266)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.347)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	35.647	3.068	2.170
L3	3	0	25.571	1.083	0.626
L5	3	1	36.997	2.786	1.970

Source of Variation	DF	SS	MS	F	P
Between Groups	2	199.969	99.985	20.483	0.008
Residual	4	19.526	4.881		
Total	6	219.495			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.008).

Power of performed test with alpha = 0.050: 0.954

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	11.426	5.665	0.014	Yes
L1 vs. L3	10.076	4.996	0.015	Yes
L5 vs. L1	1.350	0.611	0.574	No

One Way Analysis of Variance

11 December 2018 15:56:51

Data source: 5C in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.910)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

11 December 2018 15:56:51

Data source: 5C in Fetal BVTV

Group	N	Missing	Median	25%	75%
L1	3	1	34.236	31.863	36.609
L3	3	0	30.539	28.464	31.700
L5	3	1	36.592	35.949	37.235

H = 4.714 with 2 degrees of freedom. P(est.)= 0.095 P(exact)= 0.048

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.048)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	4.000	2.028	0.128	No
L5 vs L1	1.000	0.463	1.000	Do Not Test
L1 vs L3	3.000	1.521	0.385	Do Not Test

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

11 December 2018 15:53:02

Data source: 5I in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.682)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.098)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	42.169	0.354	0.250
L3	3	0	34.810	3.759	2.170
L5	3	1	41.704	1.445	1.022

Source of Variation	DF	SS	MS	F	P
Between Groups	2	87.291	43.646	5.729	0.067
Residual	4	30.475	7.619		
Total	6	117.767			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.067).

Power of performed test with alpha = 0.050: 0.449

The power of the performed test (0.449) is below the desired power of 0.800.

Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

11 December 2018 15:57:43

Data source: 5S in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.300)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.533)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	43.743	2.841	2.009
L3	3	0	33.399	1.682	0.971
L5	3	1	40.566	1.085	0.767

Source of Variation	DF	SS	MS	F	P
Between Groups	2	141.507	70.754	18.989	0.009
Residual	4	14.904	3.726		
Total	6	156.412			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.009).

Power of performed test with alpha = 0.050: 0.940

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L1 vs. L3	10.344	5.870	0.013	Yes
L5 vs. L3	7.167	4.067	0.030	Yes
L1 vs. L5	3.177	1.646	0.175	No

One Way Analysis of Variance

11 December 2018 15:59:30

Data source: 6C in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.116)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.829)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	36.852	3.761	2.659
L3	3	0	25.894	3.365	1.943
L5	3	1	34.349	2.645	1.870

Source of Variation	DF	SS	MS	F	P
Between Groups	2	167.799	83.899	7.665	0.043
Residual	4	43.784	10.946		
Total	6	211.583			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.043).

Power of performed test with alpha = 0.050: 0.584

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L1 vs. L3	10.959	3.628	0.065	No
L5 vs. L3	8.456	2.800	0.095	No
L1 vs. L5	2.503	0.757	0.491	No

One Way Analysis of Variance

11 December 2018 15:58:45

Data source: 6I in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.705)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.095)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	36.793	2.949	2.085
L3	3	0	26.207	2.736	1.580
L5	3	1	37.802	1.199	0.848

Source of Variation	DF	SS	MS	F	P
Between Groups	2	211.889	105.944	16.879	0.011
Residual	4	25.107	6.277		
Total	6	236.996			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.011).

Power of performed test with alpha = 0.050: 0.911

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	11.595	5.070	0.021	Yes
L1 vs. L3	10.587	4.629	0.020	Yes
L5 vs. L1	1.009	0.403	0.708	No

One Way Analysis of Variance

11 December 2018 16:00:17

Data source: 6S in Fetal BVTV

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

11 December 2018 16:00:17

Data source: 6S in Fetal BVTV

Group	N	Missing	Median	25%	75%
L1	3	1	36.228	34.338	38.119
L3	3	0	24.764	22.149	25.485
L5	3	1	35.282	33.326	37.239

H = 4.714 with 2 degrees of freedom. P(est.)= 0.095 P(exact)= 0.048

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.048)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L1 vs L3	4.000	2.028	0.128	No
L1 vs L5	1.000	0.463	1.000	Do Not Test
L5 vs L3	3.000	1.521	0.385	Do Not Test

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

12 December 2018 11:57:02

Data source: 7C in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.906)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.078)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	34.337	1.950	1.379
L3	3	0	23.765	3.674	2.121
L5	3	1	32.529	1.067	0.755

Source of Variation	DF	SS	MS	F	P
Between Groups	2	163.521	81.760	10.241	0.027
Residual	4	31.935	7.984		
Total	6	195.456			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.027).

Power of performed test with alpha = 0.050: 0.722

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L1 vs. L3	10.572	4.099	0.044	Yes
L5 vs. L3	8.765	3.398	0.054	No
L1 vs. L5	1.808	0.640	0.557	No

One Way Analysis of Variance

12 December 2018 11:54:46

Data source: 7I in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.944)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

12 December 2018 11:54:46

Data source: 7I in Fetal BVTV

Group	N	Missing	Median	25%	75%
L1	3	1	35.362	32.589	38.135
L3	3	0	29.085	25.567	29.879
L5	3	1	31.497	23.666	39.327

H = 1.607 with 2 degrees of freedom. P(est.)= 0.448 P(exact)= 0.524

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.524)

One Way Analysis of Variance

12 December 2018 11:58:36

Data source: 7S in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.180)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

12 December 2018 11:58:36

Data source: 7S in Fetal BVTV

Group	N	Missing	Median	25%	75%
L1	3	1	34.466	34.113	34.819
L3	3	0	26.629	21.093	30.762
L5	3	1	35.397	34.895	35.898

H = 5.357 with 2 degrees of freedom. P(est.)= 0.069 P(exact)= 0.029

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.029)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	4.500	2.282	0.067	No
L5 vs L1	2.000	0.926	1.000	Do Not Test
L1 vs L3	2.500	1.268	0.615	Do Not Test

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

12 December 2018 12:00:04

Data source: 8C in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.658)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

12 December 2018 12:00:04

Data source: 8C in Fetal BVTV

Group	N	Missing	Median	25%	75%
L1	3	1	33.200	32.463	33.936
L3	3	0	27.303	22.082	31.151
L5	3	1	36.707	35.669	37.744

H = 5.357 with 2 degrees of freedom. P(est.)= 0.069 P(exact)= 0.029

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.029)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	4.500	2.282	0.067	No
L5 vs L1	2.000	0.926	1.000	Do Not Test
L1 vs L3	2.500	1.268	0.615	Do Not Test

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

12 December 2018 11:59:14

Data source: 8I in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.486)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.215)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	31.908	7.663	5.418
L3	3	0	32.514	6.373	3.679
L5	3	1	41.751	0.673	0.476

Source of Variation	DF	SS	MS	F	P
Between Groups	2	128.820	64.410	1.835	0.272
Residual	4	140.393	35.098		
Total	6	269.212			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.272).

Power of performed test with alpha = 0.050: 0.118

The power of the performed test (0.118) is below the desired power of 0.800.

Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

12 December 2018 17:15:54

Data source: 8S in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.989)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

12 December 2018 17:15:54

Data source: 8S in Fetal BVTV

Group	N	Missing	Median	25%	75%
L1	3	1	34.674	32.647	36.701
L3	3	0	28.767	22.011	37.227
L5	3	1	39.449	34.822	44.077

H = 1.607 with 2 degrees of freedom. P(est.)= 0.448 P(exact)= 0.524

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.524)

One Way Analysis of Variance

12 December 2018 17:18:37

Data source: 9C in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.375)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.261)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	33.166	0.404	0.285
L3	3	0	25.974	2.064	1.192
L5	3	1	27.069	0.189	0.134

Source of Variation	DF	SS	MS	F	P
Between Groups	2	66.606	33.303	15.274	0.013
Residual	4	8.722	2.180		
Total	6	75.328			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.013).

Power of performed test with alpha = 0.050: 0.882

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L1 vs. L3	7.192	5.335	0.018	Yes
L1 vs. L5	6.097	4.129	0.029	Yes
L5 vs. L3	1.095	0.812	0.462	No

One Way Analysis of Variance

12 December 2018 17:17:51

Data source: 9I in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.100)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.851)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	36.325	4.522	3.198
L3	3	0	23.995	3.397	1.961
L5	3	1	34.876	5.848	4.135

Source of Variation	DF	SS	MS	F	P
Between Groups	2	233.021	116.511	5.995	0.063
Residual	4	77.732	19.433		
Total	6	310.754			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.063).

Power of performed test with alpha = 0.050: 0.469

The power of the performed test (0.469) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

12 December 2018 17:19:39

Data source: 9S in Fetal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.113)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.054)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	34.884	2.913	2.060
L3	3	0	23.697	2.459	1.420
L5	3	1	29.161	2.676	1.892

Source of Variation	DF	SS	MS	F	P
Between Groups	2	151.601	75.801	10.928	0.024
Residual	4	27.746	6.936		
Total	6	179.347			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.024).

Power of performed test with alpha = 0.050: 0.751

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L1 vs. L3	11.188	4.653	0.029	Yes
L5 vs. L3	5.464	2.273	0.164	No
L1 vs. L5	5.724	2.173	0.095	No

One Way Analysis of Variance

14 January 2019 14:34:12

Data source: 1C in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.958)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 14:34:12

Data source: 1C in Fetal DA

Group	N	Missing	Median	25%	75%
L1	3	1	0.368	0.285	0.452
L3	3	0	0.283	0.121	0.389
L5	3	1	0.397	0.369	0.426

H = 2.000 with 2 degrees of freedom. P(est.)= 0.368 P(exact)= 0.438

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.438)

One Way Analysis of Variance

14 January 2019 14:32:39

Data source: II in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.338)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.614)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.357	0.0610	0.0431
L3	3	0	0.297	0.111	0.0642
L5	3	1	0.335	0.0394	0.0279

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00465	0.00233	0.310	0.749
Residual	4	0.0300	0.00750		
Total	6	0.0346			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.749).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:35:07

Data source: 1S in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.907)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 14:35:07

Data source: 1S in Fetal DA

Group	N	Missing	Median	25%	75%
L1	3	1	0.372	0.309	0.435
L3	3	0	0.388	0.380	0.421
L5	3	1	0.394	0.382	0.405

H = 0.000 with 2 degrees of freedom. P(est.)= 1.000 P(exact)= 1.000

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 1.000)

One Way Analysis of Variance

14 January 2019 14:36:52

Data source: 2C in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.622)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.170)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.326	0.00409	0.00290
L3	3	0	0.261	0.0364	0.0210
L5	3	1	0.318	0.0127	0.00895

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00645	0.00323	4.574	0.093
Residual	4	0.00282	0.000705		
Total	6	0.00927			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.093).

Power of performed test with alpha = 0.050: 0.356

The power of the performed test (0.356) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:35:58

Data source: 2I in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.909)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.186)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.254	0.0134	0.00945
L3	3	0	0.351	0.0839	0.0484
L5	3	1	0.379	0.0632	0.0447

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0175	0.00873	1.915	0.261
Residual	4	0.0182	0.00456		
Total	6	0.0357			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.261).

Power of performed test with alpha = 0.050: 0.125

The power of the performed test (0.125) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:37:41

Data source: 2S in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.498)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.075)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.310	0.146	0.103
L3	3	0	0.365	0.119	0.0687
L5	3	1	0.298	0.0569	0.0402

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00662	0.00331	0.251	0.789
Residual	4	0.0528	0.0132		
Total	6	0.0594			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.789).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:39:05

Data source: 3C in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.679)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.200)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.432	0.140	0.0993
L3	3	0	0.375	0.0742	0.0428
L5	3	1	0.472	0.00545	0.00385

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0117	0.00584	0.759	0.525
Residual	4	0.0307	0.00769		
Total	6	0.0424			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.525).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:38:24

Data source: 3I in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.938)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.099)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.434	0.0603	0.0426
L3	3	0	0.348	0.0145	0.00839
L5	3	1	0.381	0.0353	0.0250

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00899	0.00450	3.394	0.137
Residual	4	0.00530	0.00132		
Total	6	0.0143			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.137).

Power of performed test with alpha = 0.050: 0.255

The power of the performed test (0.255) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:40:11

Data source: 3S in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.896)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 14:40:11

Data source: 3S in Fetal DA

Group	N	Missing	Median	25%	75%
L1	3	1	0.393	0.388	0.399
L3	3	0	0.410	0.312	0.553
L5	3	1	0.396	0.352	0.440

H = 0.179 with 2 degrees of freedom. P(est.)= 0.915 P(exact)= 0.971

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.971)

One Way Analysis of Variance

14 January 2019 14:41:52

Data source: 4C in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.923)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 14:41:52

Data source: 4C in Fetal DA

Group	N	Missing	Median	25%	75%
L1	3	1	0.584	0.566	0.602
L3	3	0	0.479	0.391	0.551
L5	3	1	0.480	0.455	0.504

H = 3.750 with 2 degrees of freedom. P(est.)= 0.153 P(exact)= 0.219

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.219)

One Way Analysis of Variance

14 January 2019 14:41:04

Data source: 4I in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.835)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 14:41:04

Data source: 4I in Fetal DA

Group	N	Missing	Median	25%	75%
L1	3	1	0.379	0.320	0.437
L3	3	0	0.416	0.374	0.501
L5	3	1	0.365	0.237	0.493

H = 0.500 with 2 degrees of freedom. P(est.)= 0.779 P(exact)= 0.857

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.857)

One Way Analysis of Variance

14 January 2019 14:42:39

Data source: 4S in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.637)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.194)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.489	0.00367	0.00260
L3	3	0	0.428	0.0296	0.0171
L5	3	1	0.431	0.0302	0.0213

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00518	0.00259	3.881	0.116
Residual	4	0.00267	0.000668		
Total	6	0.00785			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.116).

Power of performed test with alpha = 0.050: 0.297

The power of the performed test (0.297) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:44:17

Data source: 5C in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.616)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 14:44:17

Data source: 5C in Fetal DA

Group	N	Missing	Median	25%	75%
L1	3	1	0.337	0.325	0.348
L3	3	0	0.270	0.204	0.333
L5	3	1	0.187	0.174	0.200

H = 4.464 with 2 degrees of freedom. P(est.)= 0.107 P(exact)= 0.105

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.105)

One Way Analysis of Variance

14 January 2019 14:43:35

Data source: 5I in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.121)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.799)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.266	0.0853	0.0603
L3	3	0	0.391	0.0966	0.0558
L5	3	1	0.315	0.147	0.104

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0198	0.00991	0.832	0.499
Residual	4	0.0476	0.0119		
Total	6	0.0674			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.499).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:45:03

Data source: 5S in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.470)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 14:45:03

Data source: 5S in Fetal DA

Group	N	Missing	Median	25%	75%
L1	3	1	0.398	0.328	0.469
L3	3	0	0.382	0.306	0.423
L5	3	1	0.190	0.189	0.190

H = 3.929 with 2 degrees of freedom. P(est.)= 0.140 P(exact)= 0.181

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.181)

One Way Analysis of Variance

14 January 2019 14:46:32

Data source: 6C in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.099)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.436)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.515	0.0767	0.0542
L3	3	0	0.499	0.0648	0.0374
L5	3	1	0.452	0.0707	0.0500

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00443	0.00221	0.460	0.661
Residual	4	0.0193	0.00481		
Total	6	0.0237			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.661).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:45:46

Data source: 6I in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.427)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.149)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.394	0.0369	0.0261
L3	3	0	0.435	0.0269	0.0155
L5	3	1	0.358	0.0123	0.00868

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00723	0.00362	4.887	0.084
Residual	4	0.00296	0.000740		
Total	6	0.0102			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.084).

Power of performed test with alpha = 0.050: 0.382

The power of the performed test (0.382) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:48:11

Data source: 6S in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.662)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.270)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.446	0.0642	0.0454
L3	3	0	0.344	0.111	0.0642
L5	3	1	0.408	0.0480	0.0339

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0131	0.00655	0.840	0.496
Residual	4	0.0312	0.00779		
Total	6	0.0443			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.496).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:49:51

Data source: 7C in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.114)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.767)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.531	0.0881	0.0623
L3	3	0	0.510	0.0615	0.0355
L5	3	1	0.392	0.0648	0.0458

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0233	0.0116	2.385	0.208
Residual	4	0.0195	0.00488		
Total	6	0.0428			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.208).

Power of performed test with alpha = 0.050: 0.166

The power of the performed test (0.166) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:49:00

Data source: 7I in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.994)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 14:49:00

Data source: 7I in Fetal DA

Group	N	Missing	Median	25%	75%
L1	3	1	0.460	0.433	0.486
L3	3	0	0.445	0.397	0.514
L5	3	1	0.368	0.354	0.382

H = 3.750 with 2 degrees of freedom. P(est.)= 0.153 P(exact)= 0.219

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.219)

One Way Analysis of Variance

14 January 2019 14:50:40

Data source: 7S in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.080)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.420)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.517	0.0354	0.0251
L3	3	0	0.465	0.0201	0.0116
L5	3	1	0.466	0.0369	0.0261

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00391	0.00195	2.279	0.218
Residual	4	0.00343	0.000857		
Total	6	0.00734			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.218).

Power of performed test with alpha = 0.050: 0.157

The power of the performed test (0.157) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:52:29

Data source: 8C in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.732)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.284)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.308	0.0457	0.0323
L3	3	0	0.324	0.142	0.0822
L5	3	1	0.304	0.0800	0.0566

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000589	0.000294	0.0240	0.976
Residual	4	0.0490	0.0122		
Total	6	0.0496			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.976).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:51:44

Data source: 8I in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.362)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.485)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.364	0.0478	0.0338
L3	3	0	0.410	0.103	0.0597
L5	3	1	0.341	0.0576	0.0407

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00635	0.00317	0.470	0.656
Residual	4	0.0270	0.00675		
Total	6	0.0333			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.656).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:53:33

Data source: 8S in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.894)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.063)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.459	0.00216	0.00153
L3	3	0	0.393	0.0415	0.0240
L5	3	1	0.313	0.0219	0.0155

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0214	0.0107	10.913	0.024
Residual	4	0.00393	0.000982		
Total	6	0.0254			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.024).

Power of performed test with alpha = 0.050: 0.751

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L1 vs. L5	0.146	4.661	0.028	Yes
L3 vs. L5	0.0806	2.817	0.094	No
L1 vs. L3	0.0655	2.289	0.084	No

One Way Analysis of Variance

14 January 2019 14:55:58

Data source: 9C in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.772)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.180)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.454	0.0320	0.0226
L3	3	0	0.397	0.0678	0.0391
L5	3	1	0.380	0.0166	0.0117

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00617	0.00308	1.176	0.397
Residual	4	0.0105	0.00262		
Total	6	0.0167			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.397).

Power of performed test with alpha = 0.050: 0.064

The power of the performed test (0.064) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:54:17

Data source: 9I in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.995)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 14:54:17

Data source: 9I in Fetal DA

Group	N	Missing	Median	25%	75%
L1	3	1	0.409	0.337	0.481
L3	3	0	0.407	0.391	0.435
L5	3	1	0.447	0.279	0.614

H = 0.000 with 2 degrees of freedom. P(est.)= 1.000 P(exact)= 1.000

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 1.000)

One Way Analysis of Variance

14 January 2019 14:56:47

Data source: 9S in Fetal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.650)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.251)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.450	0.0110	0.00778
L3	3	0	0.355	0.0688	0.0397
L5	3	1	0.485	0.0261	0.0185

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0231	0.0116	4.499	0.095
Residual	4	0.0103	0.00257		
Total	6	0.0334			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.095).

Power of performed test with alpha = 0.050: 0.350

The power of the performed test (0.350) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

06 January 2019 17:58:02

Data source: 1C in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.072)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.942)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	1.065	0.224	0.158
L3	3	0	1.694	0.217	0.125
L5	3	1	1.207	0.270	0.191

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.554	0.277	5.110	0.079
Residual	4	0.217	0.0542		
Total	6	0.771			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.079).

Power of performed test with alpha = 0.050: 0.400

The power of the performed test (0.400) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

06 January 2019 17:56:53

Data source: 1I in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.865)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

06 January 2019 17:56:53

Data source: 1I in Fetal SMI

Group	N	Missing	Median	25%	75%
L1	3	1	1.236	1.171	1.301
L3	3	0	1.641	1.623	1.645
L5	3	1	0.833	0.647	1.018

H = 5.357 with 2 degrees of freedom. P(est.)= 0.069 P(exact)= 0.029

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.029)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L3 vs L5	4.500	2.282	0.067	No
L3 vs L1	2.500	1.268	0.615	Do Not Test
L1 vs L5	2.000	0.926	1.000	Do Not Test

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

06 January 2019 17:58:46

Data source: 1S in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.927)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

06 January 2019 17:58:46

Data source: 1S in Fetal SMI

Group	N	Missing	Median	25%	75%
L1	3	1	1.098	0.874	1.321
L3	3	0	1.734	1.720	1.781
L5	3	1	1.122	1.051	1.194

H = 4.500 with 2 degrees of freedom. P(est.)= 0.105 P(exact)= 0.067

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.067)

One Way Analysis of Variance

06 January 2019 18:00:54

Data source: 2C in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.476)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.324)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	1.231	0.129	0.0910
L3	3	0	1.246	0.439	0.254
L5	3	1	1.173	0.124	0.0877

Source of Variation	DF	SS	MS	F	P
Between Groups	20.00662	0.00331	0.0317	0.969	
Residual	4	0.418	0.104		
Total	6	0.424			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.969).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

06 January 2019 17:59:35

Data source: 2I in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.265)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.558)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	1.201	0.0335	0.0237
L3	3	0	1.705	0.163	0.0944
L5	3	1	1.066	0.0490	0.0347

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.578	0.289	20.300	0.008
Residual	4	0.0569	0.0142		
Total	6	0.635			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.008).

Power of performed test with alpha = 0.050: 0.953

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.639	5.865	0.013	Yes
L3 vs. L1	0.504	4.628	0.020	Yes
L1 vs. L5	0.135	1.130	0.322	No

One Way Analysis of Variance

06 January 2019 18:01:33

Data source: 2S in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.184)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.303)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	1.208	0.0474	0.0335
L3	3	0	1.472	0.463	0.267
L5	3	1	1.207	0.0190	0.0135

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.120	0.0600	0.557	0.612
Residual	4	0.431	0.108		
Total	6	0.551			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.612).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800.

Less than desired power indicates you are less likely to detect a difference when one actually exists.

Negative results should be interpreted cautiously.

One Way Analysis of Variance

06 January 2019 18:05:09

Data source: 3C in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.183)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.206)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	1.033	0.159	0.112
L3	3	0	1.697	0.161	0.0928
L5	3	1	1.159	0.248	0.175

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.635	0.318	9.179	0.032
Residual	4	0.138	0.0346		
Total	6	0.774			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.032).

Power of performed test with alpha = 0.050: 0.670

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L1	0.664	3.911	0.051	No
L3 vs. L5	0.538	3.168	0.067	No
L5 vs. L1	0.126	0.678	0.535	No

One Way Analysis of Variance

06 January 2019 18:02:19

Data source: 3I in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.721)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

06 January 2019 18:02:19

Data source: 3I in Fetal SMI

Group	N	Missing	Median	25%	75%
L1	3	1	1.056	0.642	1.469
L3	3	0	1.938	1.775	2.028
L5	3	1	1.112	1.103	1.121

H = 4.500 with 2 degrees of freedom. P(est.)= 0.105 P(exact)= 0.067

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.067)

One Way Analysis of Variance

06 January 2019 18:24:53

Data source: 3S in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.969)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.061)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.886	0.0499	0.0353
L3	3	0	1.704	0.120	0.0695
L5	3	1	1.265	0.334	0.236

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.820	0.410	11.479	0.022
Residual	4	0.143	0.0357		
Total	6	0.962			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.022).

Power of performed test with alpha = 0.050: 0.773

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L1	0.817	4.739	0.027	Yes
L3 vs. L5	0.439	2.544	0.123	No
L5 vs. L1	0.379	2.004	0.116	No

One Way Analysis of Variance

06 January 2019 18:26:30

Data source: 4C in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.560)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.428)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	1.002	0.169	0.119
L3	3	0	1.259	0.369	0.213
L5	3	1	1.045	0.102	0.0723

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0968	0.0484	0.622	0.582
Residual	4	0.311	0.0778		
Total	6	0.408			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.582).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800.

Less than desired power indicates you are less likely to detect a difference when one actually exists.

Negative results should be interpreted cautiously.

One Way Analysis of Variance

06 January 2019 18:25:49

Data source: 4I in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.909)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.145)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.960	0.167	0.118
L3	3	0	1.464	0.561	0.324
L5	3	1	1.104	0.363	0.256

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.340	0.170	0.864	0.488
Residual	4	0.788	0.197		
Total	6	1.129			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.488).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800.

Less than desired power indicates you are less likely to detect a difference when one actually exists.

Negative results should be interpreted cautiously.

One Way Analysis of Variance

06 January 2019 18:27:16

Data source: 4S in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.955)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

06 January 2019 18:27:16

Data source: 4S in Fetal SMI

Group	N	Missing	Median	25%	75%
L1	3	1	1.050	0.959	1.141
L3	3	0	1.406	1.239	1.649
L5	3	1	0.993	0.982	1.004

H = 4.500 with 2 degrees of freedom. P(est.)= 0.105 P(exact)= 0.067

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.067)

One Way Analysis of Variance

06 January 2019 18:30:16

Data source: 5C in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.534)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.259)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.160	0.547	0.387
L3	3	0	0.239	0.312	0.180
L5	3	1	0.434	0.208	0.147

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0811	0.0405	0.302	0.755
Residual	4	0.538	0.134		
Total	6	0.619			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.755).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800.

Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

06 January 2019 18:29:36

Data source: 5I in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.330)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.387)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.399	0.166	0.117
L3	3	0	0.603	0.797	0.460
L5	3	1	0.582	0.137	0.0969

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0549	0.0274	0.0834	0.922
Residual	4	1.316	0.329		
Total	6	1.371			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.922).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800.

Less than desired power indicates you are less likely to detect a difference when one actually exists.

Negative results should be interpreted cautiously.

One Way Analysis of Variance

06 January 2019 18:30:57

Data source: 5S in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.461)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.357)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.354	0.214	0.151
L3	3	0	0.520	0.633	0.365
L5	3	1	0.780	0.0212	0.0150

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.185	0.0923	0.436	0.674
Residual	4	0.846	0.212		
Total	6	1.031			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.674).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

06 January 2019 18:32:49

Data source: 6C in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.959)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

06 January 2019 18:32:49

Data source: 6C in Fetal SMI

Group	N	Missing	Median	25%	75%
L1	3	1	0.852	0.775	0.929
L3	3	0	1.390	0.936	1.828
L5	3	1	1.127	0.982	1.272

H = 3.929 with 2 degrees of freedom. P(est.)= 0.140 P(exact)= 0.181

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.181)

One Way Analysis of Variance

06 January 2019 18:31:47

Data source: 6I in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.164)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

06 January 2019 18:31:47

Data source: 6I in Fetal SMI

Group	N	Missing	Median	25%	75%
L1	3	1	1.008	0.994	1.022
L3	3	0	1.494	1.073	1.919
L5	3	1	0.996	0.948	1.043

H = 4.500 with 2 degrees of freedom. P(est.)= 0.105 P(exact)= 0.067

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.067)

One Way Analysis of Variance

06 January 2019 18:33:42

Data source: 6S in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.775)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.079)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.939	0.144	0.102
L3	3	0	1.571	0.320	0.185
L5	3	1	1.121	0.0112	0.00795

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.536	0.268	4.738	0.088
Residual	4	0.226	0.0566		
Total	6	0.762			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.088).

Power of performed test with alpha = 0.050: 0.370

The power of the performed test (0.370) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

06 January 2019 18:35:15

Data source: 7C in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.824)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

06 January 2019 18:35:15

Data source: 7C in Fetal SMI

Group	N	Missing	Median	25%	75%
L1	3	1	1.123	0.931	1.315
L3	3	0	1.709	1.467	1.985
L5	3	1	1.148	1.107	1.189

H = 4.500 with 2 degrees of freedom. P(est.)= 0.105 P(exact)= 0.067

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.067)

One Way Analysis of Variance

06 January 2019 18:34:28

Data source: 7I in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.962)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

06 January 2019 18:34:28

Data source: 7I in Fetal SMI

Group	N	Missing	Median	25%	75%
L1	3	1	1.091	0.961	1.221
L3	3	0	1.461	1.149	1.766
L5	3	1	1.460	1.345	1.575

H = 2.429 with 2 degrees of freedom. P(est.)= 0.297 P(exact)= 0.381

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.381)

One Way Analysis of Variance

06 January 2019 18:52:17

Data source: 7S in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.887)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

06 January 2019 18:52:17

Data source: 7S in Fetal SMI

Group	N	Missing	Median	25%	75%
L1	3	1	1.126	1.096	1.156
L3	3	0	1.478	1.065	1.859
L5	3	1	1.332	1.195	1.468

H = 1.357 with 2 degrees of freedom. P(est.)= 0.507 P(exact)= 0.619

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.619)

One Way Analysis of Variance

06 January 2019 18:54:28

Data source: 8C in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.700)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

06 January 2019 18:54:28

Data source: 8C in Fetal SMI

Group	N	Missing	Median	25%	75%
L1	3	1	-0.0788	-0.329	0.171
L3	3	0	0.0832	-0.281	0.502
L5	3	1	0.506	0.308	0.705

H = 2.750 with 2 degrees of freedom. P(est.)= 0.253 P(exact)= 0.324

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.324)

One Way Analysis of Variance

06 January 2019 18:53:25

Data source: 8I in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.841)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

06 January 2019 18:53:25

Data source: 8I in Fetal SMI

Group	N	Missing	Median	25%	75%
L1	3	1	1.172	1.123	1.221
L3	3	0	0.822	-0.135	1.754
L5	3	1	0.896	0.573	1.219

H = 0.607 with 2 degrees of freedom. P(est.)= 0.738 P(exact)= 0.800

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.800)

One Way Analysis of Variance

06 January 2019 18:55:41

Data source: 8S in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.416)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.282)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.649	0.140	0.0990
L3	3	0	0.932	0.595	0.344
L5	3	1	0.719	0.0412	0.0291

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.111	0.0554	0.303	0.754
Residual	4	0.730	0.183		
Total	6	0.841			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.754).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800.

Less than desired power indicates you are less likely to detect a difference when one actually exists.

Negative results should be interpreted cautiously.

One Way Analysis of Variance

06 January 2019 18:58:46

Data source: 9C in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.798)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

06 January 2019 18:58:46

Data source: 9C in Fetal SMI

Group	N	Missing	Median	25%	75%
L1	3	1	1.105	1.067	1.143
L3	3	0	1.495	1.304	1.692
L5	3	1	1.200	1.050	1.349

H = 3.179 with 2 degrees of freedom. P(est.)= 0.204 P(exact)= 0.267

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.267)

One Way Analysis of Variance

06 January 2019 18:57:44

Data source: 9I in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.772)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.187)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.894	0.144	0.102
L3	3	0	1.800	0.254	0.147
L5	3	1	1.153	0.222	0.157

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1.100	0.550	11.055	0.023
Residual	4	0.199	0.0497		
Total	6	1.299			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.023).

Power of performed test with alpha = 0.050: 0.757

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L1	0.906	4.448	0.033	Yes
L3 vs. L5	0.647	3.177	0.066	No
L5 vs. L1	0.259	1.160	0.311	No

One Way Analysis of Variance

06 January 2019 18:59:50

Data source: 9S in Fetal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.685)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

06 January 2019 18:59:50

Data source: 9S in Fetal SMI

Group	N	Missing	Median	25%	75%
L1	3	1	1.183	1.133	1.234
L3	3	0	1.677	1.414	1.919
L5	3	1	1.298	1.244	1.353

H = 5.357 with 2 degrees of freedom. P(est.)= 0.069 P(exact)= 0.029

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.029)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L3 vs L1	4.500	2.282	0.067	No
L3 vs L5	2.500	1.268	0.615	Do Not Test
L5 vs L1	2.000	0.926	1.000	Do Not Test

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

14 January 2019 12:46:39

Data source: 1C in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.102)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.730)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00416	0.000933	0.000660
L3	3	0	0.00360	0.000847	0.000489
L5	3	1	0.00413	0.000856	0.000605

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000508	0.000000254	0.334	0.734
Residual	4	0.00000304	0.000000760		
Total	6	0.00000355			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.734).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 12:45:14

Data source: II in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.160)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 12:45:14

Data source: II in Fetal Tb.N

Group	N	Missing	Median	25%	75%
L1	3	1	0.00455	0.00440	0.00470
L3	3	0	0.00550	0.00378	0.00673
L5	3	1	0.00594	0.00592	0.00595

H = 1.929 with 2 degrees of freedom. P(est.)= 0.381 P(exact)= 0.467

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.467)

One Way Analysis of Variance

14 January 2019 12:48:08

Data source: 1S in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.283)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.449)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00545	0.000750	0.000530
L3	3	0	0.00445	0.000684	0.000395
L5	3	1	0.00570	0.000544	0.000385

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00000222	0.00000111	2.474	0.200
Residual	4	0.00000179	0.000000449		
Total	6	0.00000401			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.200).

Power of performed test with alpha = 0.050: 0.174

The power of the performed test (0.174) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 12:50:02

Data source: 2C in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.482)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.153)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00260	0.0000707	0.0000500
L3	3	0	0.00262	0.000624	0.000360
L5	3	1	0.00292	0.000714	0.000505

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000142	0.0000000710	0.220	0.812
Residual	4	0.00000129	0.000000323		
Total	6	0.00000144			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.812).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 12:49:00

Data source: 2I in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.429)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.492)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00371	0.000368	0.000260
L3	3	0	0.00401	0.000893	0.000515
L5	3	1	0.00435	0.00109	0.000770

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000410	0.000000205	0.281	0.768
Residual	4	0.00000292	0.000000729		
Total	6	0.00000333			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.768).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 12:50:56

Data source: 2S in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.722)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.146)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00443	0.00100	0.000710
L3	3	0	0.00383	0.000533	0.000307
L5	3	1	0.00442	0.000255	0.000180

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000600	0.000000300	0.732	0.536
Residual	4	0.00000164	0.000000410		
Total	6	0.00000224			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.536).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 12:53:07

Data source: 3C in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.742)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 12:53:07

Data source: 3C in Fetal Tb.N

Group	N	Missing	Median	25%	75%
L1	3	1	0.00443	0.00427	0.00459
L3	3	0	0.00342	0.00271	0.00427
L5	3	1	0.00447	0.00347	0.00547

H = 2.591 with 2 degrees of freedom. P(est.)= 0.274 P(exact)= 0.324

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.324)

One Way Analysis of Variance

14 January 2019 12:51:39

Data source: 3I in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.500)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 12:51:39

Data source: 3I in Fetal Tb.N

Group	N	Missing	Median	25%	75%
L1	3	1	0.00626	0.00580	0.00671
L3	3	0	0.00446	0.00340	0.00541
L5	3	1	0.00583	0.00469	0.00696

H = 3.179 with 2 degrees of freedom. P(est.)= 0.204 P(exact)= 0.267

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.267)

One Way Analysis of Variance

14 January 2019 12:53:48

Data source: 3S in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.360)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.430)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00629	0.000255	0.000180
L3	3	0	0.00481	0.000501	0.000290
L5	3	1	0.00519	0.000799	0.000565

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00000269	0.00000134	4.453	0.096
Residual	4	0.00000121	0.000000302		
Total	6	0.00000389			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.096).

Power of performed test with alpha = 0.050: 0.346

The power of the performed test (0.346) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 12:55:23

Data source: 4C in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.372)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.588)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00377	0.00118	0.000835
L3	3	0	0.00367	0.000854	0.000493
L5	3	1	0.00371	0.000417	0.000295

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0000000101	0.00000000506	0.00669	0.993
Residual	4	0.00000303	0.000000757		
Total	6	0.00000304			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.993).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 12:54:37

Data source: 4I in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.868)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.189)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00432	0.000509	0.000360
L3	3	0	0.00426	0.00119	0.000689
L5	3	1	0.00451	0.000870	0.000615

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0000000759	0.0000000379	0.0392	0.962
Residual	4	0.00000387	0.000000966		
Total	6	0.00000394			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.962).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 12:56:11

Data source: 4S in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.175)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.758)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00435	0.00104	0.000735
L3	3	0	0.00408	0.000743	0.000429
L5	3	1	0.00485	0.000601	0.000425

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000717	0.000000358	0.563	0.609
Residual	4	0.00000255	0.000000637		
Total	6	0.00000326			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.609).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 12:59:19

Data source: 5C in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.229)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.565)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00277	0.000134	0.0000950
L3	3	0	0.00318	0.000618	0.000357
L5	3	1	0.00274	0.000170	0.000120

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000309	0.000000155	0.763	0.524
Residual	4	0.000000810	0.000000203		
Total	6	0.00000112			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.524).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 12:58:30

Data source: 5I in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.490)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.334)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00376	0.000106	0.0000750
L3	3	0	0.00441	0.00146	0.000841
L5	3	1	0.00415	0.000453	0.000320

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000510	0.000000255	0.229	0.805
Residual	4	0.00000446	0.00000111		
Total	6	0.00000497			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.805).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 13:00:21

Data source: 5S in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.926)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 13:00:21

Data source: 5S in Fetal Tb.N

Group	N	Missing	Median	25%	75%
L1	3	1	0.00415	0.00380	0.00449
L3	3	0	0.00418	0.00341	0.00537
L5	3	1	0.00388	0.00369	0.00406

H = 0.607 with 2 degrees of freedom. P(est.)= 0.738 P(exact)= 0.800

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.800)

One Way Analysis of Variance

14 January 2019 13:15:00

Data source: 6C in Fetal Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 13:15:00

Data source: 6C in Fetal Tb.N

Group	N	Missing	Median	25%	75%
L1	3	1	0.00389	0.00332	0.00446
L3	3	0	0.00424	0.00258	0.00430
L5	3	1	0.00386	0.00325	0.00448

H = 0.500 with 2 degrees of freedom. P(est.)= 0.779 P(exact)= 0.857

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.857)

One Way Analysis of Variance

14 January 2019 13:01:08

Data source: 6I in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.096)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.860)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00417	0.000827	0.000585
L3	3	0	0.00400	0.000737	0.000426
L5	3	1	0.00508	0.00119	0.000840

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00000149	0.000000747	0.939	0.463
Residual	4	0.00000318	0.000000796		
Total	6	0.00000468			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.463).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 13:15:52

Data source: 6S in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.415)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.494)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00451	0.00104	0.000735
L3	3	0	0.00405	0.000993	0.000574
L5	3	1	0.00439	0.000262	0.000185

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000282	0.000000141	0.181	0.841
Residual	4	0.00000312	0.000000781		
Total	6	0.00000340			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.841).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 13:17:27

Data source: 7C in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.915)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 13:17:27

Data source: 7C in Fetal Tb.N

Group	N	Missing	Median	25%	75%
L1	3	1	0.00437	0.00396	0.00477
L3	3	0	0.00394	0.00301	0.00467
L5	3	1	0.00435	0.00401	0.00470

H = 2.000 with 2 degrees of freedom. P(est.)= 0.368 P(exact)= 0.438

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.438)

One Way Analysis of Variance

14 January 2019 13:16:40

Data source: 7I in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.107)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.837)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00491	0.00107	0.000755
L3	3	0	0.00462	0.000977	0.000564
L5	3	1	0.00496	0.000750	0.000530

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000171	0.0000000856	0.0949	0.911
Residual	4	0.00000361	0.000000902		
Total	6	0.00000378			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.911).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 13:18:16

Data source: 7S in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.850)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.103)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00499	0.000721	0.000510
L3	3	0	0.00456	0.00127	0.000731
L5	3	1	0.00511	0.00107	0.000760

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000426	0.000000213	0.175	0.846
Residual	4	0.00000488	0.00000122		
Total	6	0.00000531			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.846).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 13:19:50

Data source: 8C in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.719)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.061)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00326	0.000552	0.000390
L3	3	0	0.00331	0.000179	0.000103
L5	3	1	0.00325	0.000389	0.000275

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00000000525	0.00000000263	0.0202	0.980
Residual	4	0.000000520	0.000000130		
Total	6	0.000000525			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.980).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 13:18:58

Data source: 8I in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.424)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.429)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00392	0.00119	0.000840
L3	3	0	0.00442	0.00116	0.000672
L5	3	1	0.00485	0.000474	0.000335

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000858	0.000000429	0.395	0.697
Residual	4	0.00000435	0.00000109		
Total	6	0.00000521			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.697).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 13:20:41

Data source: 8S in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.220)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.649)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00426	0.000757	0.000535
L3	3	0	0.00431	0.00125	0.000723
L5	3	1	0.00431	0.00140	0.000990

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00000000289	0.00000000145	0.00102	0.999
Residual	4	0.00000567	0.00000142		
Total	6	0.00000567			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.999).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 13:22:16

Data source: 9C in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.233)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.578)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00473	0.00103	0.000730
L3	3	0	0.00425	0.000465	0.000268
L5	3	1	0.00514	0.000799	0.000565

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000970	0.000000485	0.909	0.473
Residual	4	0.00000214	0.000000534		
Total	6	0.00000311			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.473).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 13:21:25

Data source: 9I in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.962)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 13:21:25

Data source: 9I in Fetal Tb.N

Group	N	Missing	Median	25%	75%
L1	3	1	0.00574	0.00476	0.00672
L3	3	0	0.00409	0.00381	0.00467
L5	3	1	0.00586	0.00576	0.00596

H = 4.500 with 2 degrees of freedom. P(est.)= 0.105 P(exact)= 0.067

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.067)

One Way Analysis of Variance

14 January 2019 13:23:00

Data source: 9S in Fetal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.197)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.077)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	0.00505	0.000948	0.000670
L3	3	0	0.00422	0.000557	0.000322
L5	3	1	0.00503	0.00115	0.000810

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00000114	0.000000572	0.808	0.507
Residual	4	0.00000283	0.000000708		
Total	6	0.00000397			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.507).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:00:08

Data source: 1C in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.447)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 14:00:08

Data source: 1C in Fetal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	3	1	177.623	146.094	209.151
L3	3	0	188.164	143.576	235.869
L5	3	1	170.768	143.226	198.310

H = 0.607 with 2 degrees of freedom. P(est.)= 0.738 P(exact)= 0.800

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.800)

One Way Analysis of Variance

14 January 2019 13:58:57

Data source: II in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.846)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 13:58:57

Data source: II in Fetal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	3	1	153.343	150.648	156.039
L3	3	0	121.686	89.118	169.042
L5	3	1	126.373	113.427	139.320

H = 1.464 with 2 degrees of freedom. P(est.)= 0.481 P(exact)= 0.562

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.562)

One Way Analysis of Variance

14 January 2019 14:00:50

Data source: 1S in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.149)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.737)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	132.372	31.618	22.357
L3	3	0	147.779	32.705	18.882
L5	3	1	124.229	19.067	13.482

Source of Variation	DF	SS	MS	F	P
Between Groups	2	716.682	358.341	0.409	0.689
Residual	4	3502.499	875.625		
Total	6	4219.181			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.689).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:02:16

Data source: 2C in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.919)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.068)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	302.936	2.156	1.525
L3	3	0	341.289	126.404	72.979
L5	3	1	253.906	80.667	57.040

Source of Variation	DF	SS	MS	F	P
Between Groups	2	9179.289	4589.644	0.477	0.652
Residual	4	38467.487	9616.872		
Total	6	47646.776			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.652).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:01:33

Data source: 2I in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.334)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.423)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	196.274	23.496	16.614
L3	3	0	165.959	35.348	20.408
L5	3	1	171.231	49.199	34.789

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1169.923	584.962	0.428	0.679
Residual	4	5471.448	1367.862		
Total	6	6641.371			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.679).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:03:04

Data source: 2S in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.446)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.343)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	161.841	47.838	33.827
L3	3	0	176.107	32.750	18.908
L5	3	1	159.900	13.527	9.565

Source of Variation	DF	SS	MS	F	P
Between Groups	2	401.760	200.880	0.174	0.846
Residual	4	4616.593	1154.148		
Total	6	5018.353			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.846).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:04:47

Data source: 3C in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.451)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.084)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	162.701	33.710	23.837
L3	3	0	193.861	46.289	26.725
L5	3	1	164.547	52.651	37.230

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1570.695	785.348	0.383	0.704
Residual	4	8193.923	2048.481		
Total	6	9764.618			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.704).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:04:01

Data source: 3I in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.657)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 14:04:01

Data source: 3I in Fetal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	3	1	116.470	106.466	126.474
L3	3	0	134.817	100.489	176.599
L5	3	1	130.192	98.338	162.045

H = 0.500 with 2 degrees of freedom. P(est.)= 0.779 P(exact)= 0.857

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.857)

One Way Analysis of Variance

14 January 2019 14:05:30

Data source: 3S in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.132)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.747)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	122.436	21.138	14.947
L3	3	0	125.201	27.461	15.855
L5	3	1	143.125	12.052	8.522

Source of Variation	DF	SS	MS	F	P
Between Groups	2	526.489	263.245	0.501	0.639
Residual	4	2100.260	525.065		
Total	6	2626.750			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.639).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:07:46

Data source: 4C in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.286)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.534)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	184.759	64.335	45.492
L3	3	0	180.498	44.583	25.740
L5	3	1	183.287	32.214	22.779

Source of Variation	DF	SS	MS	F	P
Between Groups	2	23.469	11.734	0.00513	0.995
Residual	4	9152.076	2288.019		
Total	6	9175.544			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.995).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:06:30

Data source: 4I in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.095)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.794)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	157.696	19.979	14.127
L3	3	0	154.837	34.058	19.664
L5	3	1	153.137	30.049	21.248

Source of Variation	DF	SS	MS	F	P
Between Groups	2	21.353	10.676	0.0118	0.988
Residual	4	3622.047	905.512		
Total	6	3643.399			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.988).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:08:50

Data source: 4S in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.221)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.134)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	156.244	41.575	29.398
L3	3	0	161.783	24.112	13.921
L5	3	1	147.190	27.728	19.606

Source of Variation	DF	SS	MS	F	P
Between Groups	2	255.667	127.833	0.140	0.874
Residual	4	3660.083	915.021		
Total	6	3915.750			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.874).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:10:38

Data source: 5C in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.152)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.493)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	318.316	42.203	29.842
L3	3	0	273.735	41.959	24.225
L5	3	1	307.835	62.912	44.486

Source of Variation	DF	SS	MS	F	P
Between Groups	2	2762.994	1381.497	0.597	0.593
Residual	4	9260.231	2315.058		
Total	6	12023.225			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.593).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:09:43

Data source: 5I in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.506)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.458)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	186.082	7.711	5.452
L3	3	0	173.119	29.238	16.881
L5	3	1	175.883	38.703	27.367

Source of Variation	DF	SS	MS	F	P
Between Groups	2	210.042	105.021	0.129	0.883
Residual	4	3267.124	816.781		
Total	6	3477.166			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.883).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:11:24

Data source: 5S in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.138)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.739)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	164.576	15.533	10.983
L3	3	0	184.863	31.682	18.292
L5	3	1	179.855	26.505	18.742

Source of Variation	DF	SS	MS	F	P
Between Groups	2	507.621	253.810	0.344	0.728
Residual	4	2951.325	737.831		
Total	6	3458.946			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.728).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:13:45

Data source: 6C in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 14:13:45

Data source: 6C in Fetal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	3	1	173.916	141.576	206.256
L3	3	0	160.763	149.163	230.327
L5	3	1	172.922	142.456	203.388

H = 0.500 with 2 degrees of freedom. P(est.)= 0.779 P(exact)= 0.857

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.857)

One Way Analysis of Variance

14 January 2019 14:12:38

Data source: 6I in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.067)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.729)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	166.653	35.878	25.369
L3	3	0	157.483	19.727	11.389
L5	3	1	135.905	36.886	26.082

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1011.420	505.710	0.590	0.596
Residual	4	3426.096	856.524		
Total	6	4437.516			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.596).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:14:29

Data source: 6S in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.721)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.107)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	150.768	38.028	26.890
L3	3	0	159.642	36.954	21.335
L5	3	1	152.310	11.321	8.005

Source of Variation	DF	SS	MS	F	P
Between Groups	2	114.929	57.465	0.0534	0.949
Residual	4	4305.501	1076.375		
Total	6	4420.430			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.949).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:16:07

Data source: 7C in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.731)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.132)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	153.336	26.128	18.475
L3	3	0	168.144	39.654	22.895
L5	3	1	168.076	32.560	23.023

Source of Variation	DF	SS	MS	F	P
Between Groups	2	312.120	156.060	0.128	0.884
Residual	4	4887.796	1221.949		
Total	6	5199.916			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.884).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:15:13

Data source: 7I in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.251)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.617)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	142.105	34.001	24.042
L3	3	0	140.748	27.647	15.962
L5	3	1	137.774	19.057	13.475

Source of Variation	DF	SS	MS	F	P
Between Groups	2	19.879	9.939	0.0130	0.987
Residual	4	3047.880	761.970		
Total	6	3067.759			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.987).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:16:56

Data source: 7S in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.695)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.150)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	132.955	25.404	17.964
L3	3	0	147.449	42.490	24.532
L5	3	1	134.942	41.829	29.578

Source of Variation	DF	SS	MS	F	P
Between Groups	2	316.384	158.192	0.105	0.902
Residual	4	6005.860	1501.465		
Total	6	6322.245			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.902).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:18:26

Data source: 8C in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.428)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.098)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	342.410	97.306	68.806
L3	3	0	357.520	77.335	44.649
L5	3	1	260.940	7.296	5.159

Source of Variation	DF	SS	MS	F	P
Between Groups	2	11983.536	5991.768	1.116	0.412
Residual	4	21483.122	5370.781		
Total	6	33466.658			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.412).

Power of performed test with alpha = 0.050: 0.059

The power of the performed test (0.059) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:17:40

Data source: 8I in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.926)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 14:17:40

Data source: 8I in Fetal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	3	1	216.303	147.323	285.283
L3	3	0	172.247	135.661	182.425
L5	3	1	136.370	119.273	153.467

H = 1.464 with 2 degrees of freedom. P(est.)= 0.481 P(exact)= 0.562

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.562)

One Way Analysis of Variance

14 January 2019 14:19:12

Data source: 8S in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.166)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.810)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	188.736	48.970	34.627
L3	3	0	190.940	82.250	47.487
L5	3	1	186.033	89.634	63.381

Source of Variation	DF	SS	MS	F	P
Between Groups	2	28.980	14.490	0.00242	0.998
Residual	4	23962.358	5990.589		
Total	6	23991.338			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.998).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:20:49

Data source: 9C in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.810)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.087)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	148.142	39.076	27.631
L3	3	0	149.457	16.357	9.444
L5	3	1	156.800	56.958	40.275

Source of Variation	DF	SS	MS	F	P
Between Groups	2	90.530	45.265	0.0341	0.967
Residual	4	5306.306	1326.577		
Total	6	5396.837			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.967).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 14:20:00

Data source: 9I in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.950)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 14:20:00

Data source: 9I in Fetal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	3	1	136.114	99.554	172.674
L3	3	0	137.674	125.925	166.837
L5	3	1	127.695	125.422	129.967

H = 0.714 with 2 degrees of freedom. P(est.)= 0.700 P(exact)= 0.743

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.743)

One Way Analysis of Variance

14 January 2019 14:21:33

Data source: 9S in Fetal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.515)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.217)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	133.310	30.520	21.581
L3	3	0	152.876	15.280	8.822
L5	3	1	152.996	41.365	29.249

Source of Variation	DF	SS	MS	F	P
Between Groups	2	549.634	274.817	0.354	0.722
Residual	4	3109.487	777.372		
Total	6	3659.121			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.722).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:28:56

Data source: 1C in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.943)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 11:28:56

Data source: 1C in Fetal Tb.Th

Group	N	Missing	Median	25%	75%
L1	3	1	78.614	69.771	87.458
L3	3	0	63.524	59.169	65.741
L5	3	1	74.083	68.656	79.510

H = 4.714 with 2 degrees of freedom. P(est.)= 0.095 P(exact)= 0.048

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.048)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L1 vs L3	4.000	2.028	0.128	No
L1 vs L5	1.000	0.463	1.000	Do Not Test
L5 vs L3	3.000	1.521	0.385	Do Not Test

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

14 January 2019 11:28:13

Data source: 1I in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.083)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.424)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	71.405	0.966	0.683
L3	3	0	53.694	14.167	8.179
L5	3	1	60.928	0.349	0.247

Source of Variation	DF	SS	MS	F	P
Between Groups	2	376.452	188.226	1.871	0.267
Residual	4	402.451	100.613		
Total	6	778.903			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.267).

Power of performed test with alpha = 0.050: 0.121

The power of the performed test (0.121) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:29:39

Data source: 1S in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.150)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.728)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	61.882	8.144	5.758
L3	3	0	49.181	5.620	3.245
L5	3	1	58.222	5.449	3.853

Source of Variation	DF	SS	MS	F	P
Between Groups	2	215.996	107.998	2.714	0.180
Residual	4	159.189	39.797		
Total	6	375.185			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.180).

Power of performed test with alpha = 0.050: 0.195

The power of the performed test (0.195) is below the desired power of 0.800.

Less than desired power indicates you are less likely to detect a difference when one actually exists.

Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:32:45

Data source: 2C in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.429)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.411)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	110.063	12.821	9.066
L3	3	0	81.993	13.172	7.605
L5	3	1	100.166	9.152	6.472

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1014.433	507.217	3.409	0.137
Residual	4	595.135	148.784		
Total	6	1609.568			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.137).

Power of performed test with alpha = 0.050: 0.256

The power of the performed test (0.256) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:30:39

Data source: 2I in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.418)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.288)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	81.836	0.847	0.599
L3	3	0	62.707	11.091	6.403
L5	3	1	74.424	17.877	12.641

Source of Variation	DF	SS	MS	F	P
Between Groups	2	462.700	231.350	1.634	0.303
Residual	4	566.313	141.578		
Total	6	1029.013			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.303).

Power of performed test with alpha = 0.050: 0.101

The power of the performed test (0.101) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:33:44

Data source: 2S in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.958)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 11:33:44

Data source: 2S in Fetal Tb.Th

Group	N	Missing	Median	25%	75%
L1	3	1	76.119	68.828	83.411
L3	3	0	66.297	52.103	77.707
L5	3	1	72.657	67.796	77.518

H = 1.607 with 2 degrees of freedom. P(est.)= 0.448 P(exact)= 0.524

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.524)

One Way Analysis of Variance

14 January 2019 11:36:19

Data source: 3C in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.951)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.081)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	72.209	5.616	3.971
L3	3	0	64.063	7.299	4.214
L5	3	1	69.011	17.498	12.373

Source of Variation	DF	SS	MS	F	P
Between Groups	2	83.701	41.851	0.377	0.708
Residual	4	444.272	111.068		
Total	6	527.973			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.708).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:34:43

Data source: 3I in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.619)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.260)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	52.927	2.175	1.538
L3	3	0	48.563	6.471	3.736
L5	3	1	57.261	11.459	8.103

Source of Variation	DF	SS	MS	F	P
Between Groups	2	91.898	45.949	0.836	0.497
Residual	4	219.779	54.945		
Total	6	311.677			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.497).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:37:20

Data source: 3S in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.952)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.105)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	53.757	3.109	2.198
L3	3	0	47.469	4.959	2.863
L5	3	1	60.148	12.846	9.084

Source of Variation	DF	SS	MS	F	P
Between Groups	2	194.999	97.499	1.742	0.286
Residual	4	223.869	55.967		
Total	6	418.867			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.286).

Power of performed test with alpha = 0.050: 0.111

The power of the performed test (0.111) is below the desired power of 0.800.

Less than desired power indicates you are less likely to detect a difference when one actually exists.

Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:39:55

Data source: 4C in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.376)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.621)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	94.914	16.249	11.490
L3	3	0	76.223	12.899	7.447
L5	3	1	92.065	5.834	4.126

Source of Variation	DF	SS	MS	F	P
Between Groups	2	519.195	259.598	1.646	0.301
Residual	4	630.832	157.708		
Total	6	1150.027			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.301).

Power of performed test with alpha = 0.050: 0.102

The power of the performed test (0.102) is below the desired power of 0.800.

Less than desired power indicates you are less likely to detect a difference when one actually exists.

Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:38:16

Data source: 4I in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.319)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.541)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	88.348	6.600	4.667
L3	3	0	68.908	13.770	7.950
L5	3	1	82.670	13.595	9.613

Source of Variation	DF	SS	MS	F	P
Between Groups	2	504.655	252.327	1.661	0.298
Residual	4	607.601	151.900		
Total	6	1112.256			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.298).

Power of performed test with alpha = 0.050: 0.104

The power of the performed test (0.104) is below the desired power of 0.800.

Less than desired power indicates you are less likely to detect a difference when one actually exists.

Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:41:05

Data source: 4S in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.320)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.569)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	83.361	12.717	8.993
L3	3	0	64.576	16.054	9.269
L5	3	1	76.430	3.682	2.604

Source of Variation	DF	SS	MS	F	P
Between Groups	2	450.338	225.169	1.304	0.366
Residual	4	690.731	172.683		
Total	6	1141.069			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.366).

Power of performed test with alpha = 0.050: 0.074

The power of the performed test (0.074) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:43:14

Data source: 5C in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.161)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.720)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	124.465	18.203	12.872
L3	3	0	97.876	21.487	12.406
L5	3	1	134.038	11.764	8.318

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1779.212	889.606	2.554	0.193
Residual	4	1393.158	348.290		
Total	6	3172.370			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.193).

Power of performed test with alpha = 0.050: 0.181

The power of the performed test (0.181) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:42:05

Data source: 5I in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.354)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.484)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	112.297	2.089	1.477
L3	3	0	82.739	17.384	10.036
L5	3	1	101.269	14.632	10.347

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1112.660	556.330	2.704	0.181
Residual	4	822.845	205.711		
Total	6	1935.505			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.181).

Power of performed test with alpha = 0.050: 0.194

The power of the performed test (0.194) is below the desired power of 0.800.

Less than desired power indicates you are less likely to detect a difference when one actually exists.

Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:44:10

Data source: 5S in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.305)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 11:44:10

Data source: 5S in Fetal Tb.Th

Group	N	Missing	Median	25%	75%
L1	3	1	106.673	92.860	120.486
L3	3	0	78.003	65.750	94.683
L5	3	1	104.963	98.023	111.902

H = 3.179 with 2 degrees of freedom. P(est.)= 0.204 P(exact)= 0.267

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.267)

One Way Analysis of Variance

14 January 2019 11:47:20

Data source: 6C in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.066)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.928)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	95.762	10.270	7.262
L3	3	0	71.885	11.619	6.709
L5	3	1	90.363	13.400	9.475

Source of Variation	DF	SS	MS	F	P
Between Groups	2	797.988	398.994	2.875	0.168
Residual	4	555.058	138.764		
Total	6	1353.046			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.168).

Power of performed test with alpha = 0.050: 0.209

The power of the performed test (0.209) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:45:45

Data source: 6I in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.230)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 11:45:45

Data source: 6I in Fetal Tb.Th

Group	N	Missing	Median	25%	75%
L1	3	1	89.162	81.755	96.569
L3	3	0	66.522	57.574	75.210
L5	3	1	76.237	65.252	87.222

H = 2.857 with 2 degrees of freedom. P(est.)= 0.240 P(exact)= 0.286

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.286)

One Way Analysis of Variance

14 January 2019 11:48:20

Data source: 6S in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.079)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.824)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	81.877	12.866	9.097
L3	3	0	61.672	12.652	7.305
L5	3	1	80.779	11.201	7.920

Source of Variation	DF	SS	MS	F	P
Between Groups	2	663.569	331.784	2.172	0.230
Residual	4	611.120	152.780		
Total	6	1274.689			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.230).

Power of performed test with alpha = 0.050: 0.147

The power of the performed test (0.147) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:50:37

Data source: 7C in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 11:50:37

Data source: 7C in Fetal Tb.Th

Group	N	Missing	Median	25%	75%
L1	3	1	78.965	74.806	83.125
L3	3	0	61.992	57.903	65.801
L5	3	1	75.029	70.801	79.257

H = 4.714 with 2 degrees of freedom. P(est.)= 0.095 P(exact)= 0.048

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.048)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L1 vs L3	4.000	2.028	0.128	No
L1 vs L5	1.000	0.463	1.000	Do Not Test
L5 vs L3	3.000	1.521	0.385	Do Not Test

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

14 January 2019 11:49:35

Data source: 7I in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.200)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.701)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	72.759	7.808	5.521
L3	3	0	62.251	9.457	5.460
L5	3	1	62.522	12.842	9.080

Source of Variation	DF	SS	MS	F	P
Between Groups	2	154.600	77.300	0.764	0.524
Residual	4	404.720	101.180		
Total	6	559.321			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.524).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:51:51

Data source: 7S in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.065)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.963)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	69.872	11.147	7.882
L3	3	0	59.049	10.806	6.239
L5	3	1	70.661	13.480	9.532

Source of Variation	DF	SS	MS	F	P
Between Groups	2	216.327	108.163	0.802	0.509
Residual	4	539.497	134.874		
Total	6	755.823			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.509).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:55:00

Data source: 8C in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.107)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.837)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	103.017	14.110	9.977
L3	3	0	81.520	15.572	8.990
L5	3	1	114.182	18.183	12.857

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1381.772	690.886	2.724	0.179
Residual	4	1014.651	253.663		
Total	6	2396.423			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.179).

Power of performed test with alpha = 0.050: 0.196

The power of the performed test (0.196) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:52:49

Data source: 8I in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.739)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.249)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	82.157	5.353	3.785
L3	3	0	74.637	10.939	6.316
L5	3	1	86.511	7.063	4.994

Source of Variation	DF	SS	MS	F	P
Between Groups	2	180.145	90.072	1.133	0.407
Residual	4	317.866	79.466		
Total	6	498.010			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.407).

Power of performed test with alpha = 0.050: 0.060

The power of the performed test (0.060) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:56:27

Data source: 8S in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.411)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.321)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	82.033	7.801	5.516
L3	3	0	69.121	8.743	5.048
L5	3	1	94.086	15.425	10.907

Source of Variation	DF	SS	MS	F	P
Between Groups	2	760.126	380.063	3.366	0.139
Residual	4	451.684	112.921		
Total	6	1211.810			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.139).

Power of performed test with alpha = 0.050: 0.252

The power of the performed test (0.252) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:58:24

Data source: 9C in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.538)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.395)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	71.740	14.765	10.440
L3	3	0	61.428	5.808	3.353
L5	3	1	53.430	8.708	6.157

Source of Variation	DF	SS	MS	F	P
Between Groups	2	337.564	168.782	1.869	0.267
Residual	4	361.283	90.321		
Total	6	698.847			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.267).

Power of performed test with alpha = 0.050: 0.121

The power of the performed test (0.121) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

14 January 2019 11:57:29

Data source: 9I in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.955)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

14 January 2019 11:57:29

Data source: 9I in Fetal Tb.Th

Group	N	Missing	Median	25%	75%
L1	3	1	64.195	58.775	69.615
L3	3	0	56.984	54.750	59.733
L5	3	1	59.612	51.544	67.679

H = 1.357 with 2 degrees of freedom. P(est.)= 0.507 P(exact)= 0.619

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.619)

One Way Analysis of Variance

14 January 2019 11:59:23

Data source: 9S in Fetal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.433)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.386)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	3	1	70.922	19.111	13.513
L3	3	0	56.966	10.915	6.302
L5	3	1	58.878	8.013	5.666

Source of Variation	DF	SS	MS	F	P
Between Groups	2	252.957	126.479	0.758	0.526
Residual	4	667.704	166.926		
Total	6	920.661			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.526).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 11:16:22

Data source: 1C in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.279)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.992)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	25.211	9.717	2.597
L3	14	1	20.992	8.492	2.355
L5	11	0	31.696	8.581	2.587

Source of Variation	DF	SS	MS	F	P
Between Groups	2	686.906	343.453	4.249	0.022
Residual	35	2829.285	80.837		
Total	37	3516.191			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.022).

Power of performed test with alpha = 0.050: 0.581

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	10.704	2.906	0.019	Yes
L5 vs. L1	6.485	1.790	0.157	No
L1 vs. L3	4.219	1.218	0.231	No

One Way Analysis of Variance

15 January 2019 11:14:45

Data source: II in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.962)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.938)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	26.607	9.086	2.428
L3	14	1	21.453	8.222	2.280
L5	11	0	34.796	8.309	2.505

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1068.934	534.467	7.265	0.002
Residual	35	2574.905	73.569		
Total	37	3643.839			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.002).

Power of performed test with alpha = 0.050: 0.868

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	13.343	3.797	0.002	Yes
L5 vs. L1	8.188	2.369	0.046	Yes
L1 vs. L3	5.155	1.560	0.128	No

One Way Analysis of Variance

15 January 2019 11:18:31

Data source: 1S in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.444)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.701)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	24.540	8.174	2.185
L3	14	1	20.537	8.490	2.355
L5	11	0	34.796	9.371	2.825

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1268.224	634.112	8.498	<0.001
Residual	35	2611.547	74.616		
Total	37	3879.771			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 0.923

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	14.260	4.030	<0.001	Yes
L5 vs. L1	10.256	2.947	0.011	Yes
L1 vs. L3	4.004	1.203	0.237	No

One Way Analysis of Variance

15 January 2019 11:22:01

Data source: 2C in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.827)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.802)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	24.325	9.541	2.550
L3	14	1	24.373	9.459	2.624
L5	11	0	32.793	10.186	3.071

Source of Variation	DF	SS	MS	F	P
Between Groups	2	557.397	278.698	2.961	0.065
Residual	35	3294.487	94.128		
Total	37	3851.884			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.065).

Power of performed test with alpha = 0.050: 0.378

The power of the performed test (0.378) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 11:20:17

Data source: 2I in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.113)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.811)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	27.114	9.473	2.532
L3	14	1	23.347	8.038	2.229
L5	11	0	36.977	8.545	2.576

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1161.219	580.609	7.605	0.002
Residual	35	2671.965	76.342		
Total	37	3833.183			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.002).

Power of performed test with alpha = 0.050: 0.886

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	13.629	3.808	0.002	Yes
L5 vs. L1	9.863	2.802	0.016	Yes
L1 vs. L3	3.767	1.119	0.271	No

One Way Analysis of Variance

15 January 2019 11:23:27

Data source: 2S in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.295)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.764)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	26.095	9.750	2.606
L3	14	1	23.594	8.672	2.405
L5	11	0	34.494	8.526	2.571

Source of Variation	DF	SS	MS	F	P
Between Groups	2	762.970	381.485	4.660	0.016
Residual	35	2865.346	81.867		
Total	37	3628.315			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.016).

Power of performed test with alpha = 0.050: 0.636

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	10.900	2.941	0.017	Yes
L5 vs. L1	8.399	2.304	0.054	No
L1 vs. L3	2.501	0.718	0.478	No

One Way Analysis of Variance

15 January 2019 11:26:49

Data source: 3C in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.074)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.818)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	23.739	10.261	2.742
L3	14	1	22.348	9.481	2.629
L5	11	0	31.300	8.657	2.610

Source of Variation	DF	SS	MS	F	P
Between Groups	2	542.465	271.233	2.970	0.064
Residual	35	3196.813	91.338		
Total	37	3739.278			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.064).

Power of performed test with alpha = 0.050: 0.380

The power of the performed test (0.380) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 11:25:15

Data source: 3I in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.877)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.784)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	24.912	9.106	2.434
L3	14	1	22.936	8.709	2.416
L5	11	0	34.319	9.469	2.855

Source of Variation	DF	SS	MS	F	P
Between Groups	2	864.926	432.463	5.247	0.010
Residual	35	2884.846	82.424		
Total	37	3749.772			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.010).

Power of performed test with alpha = 0.050: 0.705

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	11.383	3.060	0.013	Yes
L5 vs. L1	9.407	2.572	0.029	Yes
L1 vs. L3	1.976	0.565	0.576	No

One Way Analysis of Variance

15 January 2019 11:34:28

Data source: 3S in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.458)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.891)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	23.411	7.461	1.994
L3	14	1	23.615	8.220	2.280
L5	11	0	34.144	8.548	2.577

Source of Variation	DF	SS	MS	F	P
Between Groups	2	884.243	442.122	6.832	0.003
Residual	35	2265.057	64.716		
Total	37	3149.300			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.003).

Power of performed test with alpha = 0.050: 0.842

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L1	10.733	3.311	0.006	Yes
L5 vs. L3	10.529	3.195	0.006	Yes
L3 vs. L1	0.204	0.0659	0.948	No

One Way Analysis of Variance

15 January 2019 12:16:49

Data source: 4C in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.695)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.784)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	24.746	8.471	2.264
L3	14	1	21.008	7.645	2.120
L5	11	0	30.989	8.380	2.527

Source of Variation	DF	SS	MS	F	P
Between Groups	2	599.787	299.893	4.492	0.018
Residual	35	2336.404	66.754		
Total	37	2936.191			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.018).

Power of performed test with alpha = 0.050: 0.614

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	9.981	2.982	0.015	Yes
L5 vs. L1	6.243	1.896	0.128	No
L1 vs. L3	3.738	1.188	0.243	No

One Way Analysis of Variance

15 January 2019 12:12:35

Data source: 4I in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.474)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.964)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	29.394	9.312	2.489
L3	14	1	24.900	8.216	2.279
L5	11	0	37.012	7.718	2.327

Source of Variation	DF	SS	MS	F	P
Between Groups	2	883.910	441.955	6.107	0.005
Residual	35	2532.951	72.370		
Total	37	3416.862			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.005).

Power of performed test with alpha = 0.050: 0.788

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	12.112	3.475	0.004	Yes
L5 vs. L1	7.617	2.222	0.065	No
L1 vs. L3	4.494	1.372	0.179	No

One Way Analysis of Variance

15 January 2019 12:19:09

Data source: 4S in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.278)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.524)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	25.380	7.304	1.952
L3	14	1	23.832	8.901	2.469
L5	11	0	37.799	7.964	2.401

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1370.554	685.277	10.526	<0.001
Residual	35	2278.517	65.100		
Total	37	3649.071			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 0.970

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	13.967	4.225	<0.001	Yes
L5 vs. L1	12.419	3.820	0.001	Yes
L1 vs. L3	1.548	0.498	0.621	No

One Way Analysis of Variance

15 January 2019 12:29:36

Data source: 5C in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.107)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.839)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	30.587	13.448	3.594
L3	14	1	27.358	11.523	3.196
L5	11	0	35.555	9.611	2.898

Source of Variation	DF	SS	MS	F	P
Between Groups	2	402.789	201.394	1.448	0.249
Residual	35	4867.949	139.084		
Total	37	5270.738			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.249).

Power of performed test with alpha = 0.050: 0.117

The power of the performed test (0.117) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 12:26:43

Data source: 5I in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.645)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.525)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	32.018	13.035	3.484
L3	14	1	27.242	10.790	2.993
L5	11	0	39.624	6.980	2.105

Source of Variation	DF	SS	MS	F	P
Between Groups	2	920.712	460.356	3.936	0.029
Residual	35	4093.107	116.946		
Total	37	5013.819			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.029).

Power of performed test with alpha = 0.050: 0.536

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	12.382	2.795	0.025	Yes
L5 vs. L1	7.607	1.746	0.171	No
L1 vs. L3	4.776	1.147	0.259	No

One Way Analysis of Variance

15 January 2019 12:32:54

Data source: 5S in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.732)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.631)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	28.421	11.655	3.115
L3	14	1	27.061	10.409	2.887
L5	11	0	39.180	7.371	2.222

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1030.582	515.291	4.997	0.012
Residual	35	3609.209	103.120		
Total	37	4639.790			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.012).

Power of performed test with alpha = 0.050: 0.677

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	12.119	2.913	0.018	Yes
L5 vs. L1	10.758	2.629	0.025	Yes
L1 vs. L3	1.360	0.348	0.730	No

One Way Analysis of Variance

15 January 2019 12:46:20

Data source: 6C in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.470)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.967)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	24.156	9.223	2.465
L3	14	1	21.809	9.016	2.501
L5	11	0	31.692	8.422	2.539

Source of Variation	DF	SS	MS	F	P
Between Groups	2	624.097	312.049	3.914	0.029
Residual	35	2790.470	79.728		
Total	37	3414.567			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.029).

Power of performed test with alpha = 0.050: 0.533

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	9.883	2.702	0.031	Yes
L5 vs. L1	7.536	2.095	0.085	No
L1 vs. L3	2.347	0.682	0.500	No

One Way Analysis of Variance

15 January 2019 12:44:12

Data source: 6I in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.299)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.994)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	28.637	10.070	2.691
L3	14	1	25.172	9.236	2.562
L5	11	0	36.031	8.339	2.514

Source of Variation	DF	SS	MS	F	P
Between Groups	2	722.866	361.433	4.165	0.024
Residual	35	3037.362	86.782		
Total	37	3760.228			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.024).

Power of performed test with alpha = 0.050: 0.569

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	10.859	2.845	0.022	Yes
L5 vs. L1	7.394	1.970	0.110	No
L1 vs. L3	3.465	0.966	0.341	No

One Way Analysis of Variance

15 January 2019 12:48:37

Data source: 6S in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.282)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.762)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	25.540	8.465	2.262
L3	14	1	24.459	8.127	2.254
L5	11	0	37.423	7.151	2.156

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1210.199	605.099	9.474	<0.001
Residual	35	2235.445	63.870		
Total	37	3445.644			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 0.951

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	12.963	3.959	0.001	Yes
L5 vs. L1	11.883	3.690	0.002	Yes
L1 vs. L3	1.081	0.351	0.728	No

One Way Analysis of Variance

15 January 2019 12:53:48

Data source: 7C in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.362)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.483)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	22.244	8.824	2.358
L3	14	1	18.703	7.104	1.970
L5	11	0	29.598	9.385	2.830

Source of Variation	DF	SS	MS	F	P
Between Groups	2	725.889	362.945	5.084	0.012
Residual	35	2498.563	71.388		
Total	37	3224.452			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.012).

Power of performed test with alpha = 0.050: 0.687

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	10.895	3.148	0.010	Yes
L5 vs. L1	7.354	2.160	0.074	No
L1 vs. L3	3.541	1.088	0.284	No

One Way Analysis of Variance

15 January 2019 12:51:17

Data source: 7I in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.960)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.143)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	31.269	11.548	3.086
L3	14	1	24.707	6.791	1.883
L5	11	0	38.027	10.600	3.196

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1058.981	529.490	5.434	0.009
Residual	35	3410.679	97.448		
Total	37	4469.659			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.009).

Power of performed test with alpha = 0.050: 0.725

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	13.320	3.294	0.007	Yes
L1 vs. L3	6.562	1.726	0.178	No
L5 vs. L1	6.758	1.699	0.098	No

One Way Analysis of Variance

15 January 2019 12:57:10

Data source: 7S in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.595)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.662)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	25.667	9.807	2.621
L3	14	1	23.586	8.610	2.388
L5	11	0	38.483	10.571	3.187

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1521.422	760.711	8.174	0.001
Residual	35	3257.204	93.063		
Total	37	4778.626			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.001).

Power of performed test with alpha = 0.050: 0.911

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	14.896	3.769	0.002	Yes
L5 vs. L1	12.816	3.297	0.004	Yes
L1 vs. L3	2.081	0.560	0.579	No

One Way Analysis of Variance

15 January 2019 13:10:58

Data source: 8C in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.647)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.840)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	30.916	10.806	2.888
L3	14	1	27.021	8.763	2.430
L5	11	0	36.511	9.219	2.780

Source of Variation	DF	SS	MS	F	P
Between Groups	2	538.494	269.247	2.865	0.070
Residual	35	3289.412	93.983		
Total	37	3827.906			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.070).

Power of performed test with alpha = 0.050: 0.362

The power of the performed test (0.362) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 12:59:52

Data source: 8I in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.332)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.840)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	30.230	11.406	3.048
L3	14	1	25.921	8.770	2.432
L5	11	0	37.437	10.164	3.065

Source of Variation	DF	SS	MS	F	P
Between Groups	2	798.385	399.193	3.831	0.031
Residual	35	3647.412	104.212		
Total	37	4445.797			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.031).

Power of performed test with alpha = 0.050: 0.520

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	11.515	2.753	0.028	Yes
L5 vs. L1	7.207	1.752	0.169	No
L1 vs. L3	4.308	1.096	0.281	No

One Way Analysis of Variance

15 January 2019 13:12:39

Data source: 8S in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.262)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.883)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	27.101	9.711	2.595
L3	14	1	24.078	8.990	2.493
L5	11	0	39.501	10.274	3.098

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1562.013	781.007	8.407	0.001
Residual	35	3251.414	92.898		
Total	37	4813.427			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.001).

Power of performed test with alpha = 0.050: 0.920

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	15.423	3.906	0.001	Yes
L5 vs. L1	12.400	3.193	0.006	Yes
L1 vs. L3	3.022	0.814	0.421	No

One Way Analysis of Variance

15 January 2019 13:18:20

Data source: 9C in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.282)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.459)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	22.097	7.950	2.125
L3	14	1	19.186	7.498	2.080
L5	11	0	30.413	10.311	3.109

Source of Variation	DF	SS	MS	F	P
Between Groups	2	795.104	397.552	5.436	0.009
Residual	35	2559.454	73.127		
Total	37	3354.558			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.009).

Power of performed test with alpha = 0.050: 0.725

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	11.227	3.205	0.009	Yes
L5 vs. L1	8.315	2.413	0.042	Yes
L1 vs. L3	2.911	0.884	0.383	No

One Way Analysis of Variance

15 January 2019 13:15:43

Data source: 9I in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.432)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.352)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	29.922	8.363	2.235
L3	14	1	24.948	9.344	2.591
L5	11	0	37.190	11.504	3.469

Source of Variation	DF	SS	MS	F	P
Between Groups	2	896.608	448.304	4.783	0.015
Residual	35	3280.378	93.725		
Total	37	4176.987			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.015).

Power of performed test with alpha = 0.050: 0.651

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	12.242	3.087	0.012	Yes
L5 vs. L1	7.268	1.863	0.137	No
L1 vs. L3	4.975	1.334	0.191	No

One Way Analysis of Variance

15 January 2019 13:20:07

Data source: 9S in Perinatal BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.561)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.740)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	25.249	9.230	2.467
L3	14	1	24.389	8.414	2.334
L5	11	0	38.706	10.522	3.173

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1508.830	754.415	8.617	<0.001
Residual	35	3064.253	87.550		
Total	37	4573.083			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 0.927

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	14.317	3.735	0.002	Yes
L5 vs. L1	13.457	3.570	0.002	Yes
L1 vs. L3	0.860	0.239	0.813	No

One Way Analysis of Variance

16 January 2019 13:04:00

Data source: 1C in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.870)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 13:04:00

Data source: 1C in Perinatal DA

Group	N	Missing	Median	25%	75%
L1	14	0	0.370	0.271	0.429
L3	14	1	0.303	0.248	0.367
L5	11	0	0.468	0.320	0.596

H = 9.174 with 2 degrees of freedom. (P = 0.010)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.010)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	13.783	3.027	0.007	Yes
L5 vs L1	7.805	1.743	0.244	No
L1 vs L3	5.978	1.397	0.488	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

16 January 2019 13:02:30

Data source: II in Perinatal DA

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 13:02:30

Data source: II in Perinatal DA

Group	N	Missing	Median	25%	75%
L1	14	0	0.427	0.367	0.460
L3	14	1	0.363	0.277	0.438
L5	11	0	0.505	0.415	0.669

H = 11.794 with 2 degrees of freedom. (P = 0.003)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.003)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	15.629	3.433	0.002	Yes
L5 vs L1	8.805	1.967	0.148	No
L1 vs L3	6.824	1.594	0.333	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

16 January 2019 13:04:57

Data source: 1S in Perinatal DA

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 13:04:57

Data source: 1S in Perinatal DA

Group	N	Missing	Median	25%	75%
L1	14	0	0.375	0.330	0.426
L3	14	1	0.384	0.337	0.448
L5	11	0	0.500	0.403	0.561

H = 10.473 with 2 degrees of freedom. (P = 0.005)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.005)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L1	13.688	3.057	0.007	Yes
L5 vs L3	11.699	2.570	0.031	Yes
L3 vs L1	1.989	0.465	1.000	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

16 January 2019 13:06:27

Data source: 2C in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.713)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.060)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.263	0.104	0.0279
L3	14	1	0.264	0.0895	0.0248
L5	11	0	0.430	0.153	0.0461

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.218	0.109	8.093	0.001
Residual	35	0.472	0.0135		
Total	37	0.690			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.001).

Power of performed test with alpha = 0.050: 0.908

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L1	0.167	3.578	0.003	Yes
L5 vs. L3	0.167	3.507	0.003	Yes
L3 vs. L1	0.000562	0.0126	0.990	No

One Way Analysis of Variance

16 January 2019 13:05:43

Data source: 2I in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.701)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 13:05:43

Data source: 2I in Perinatal DA

Group	N	Missing	Median	25%	75%
L1	14	0	0.381	0.327	0.433
L3	14	1	0.401	0.274	0.449
L5	11	0	0.498	0.418	0.682

H = 8.490 with 2 degrees of freedom. (P = 0.014)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.014)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	11.727	2.576	0.030	Yes
L5 vs L1	11.442	2.555	0.032	Yes
L1 vs L3	0.286	0.0668	1.000	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

16 January 2019 13:07:29

Data source: 2S in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.100)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.260)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.346	0.0806	0.0215
L3	14	1	0.334	0.0890	0.0247
L5	11	0	0.534	0.120	0.0362

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.295	0.147	15.927	<0.001
Residual	35	0.324	0.00925		
Total	37	0.618			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 0.998

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	0.200	5.077	<0.001	Yes
L5 vs. L1	0.188	4.854	<0.001	Yes
L1 vs. L3	0.0119	0.322	0.750	No

One Way Analysis of Variance

16 January 2019 13:08:57

Data source: 3C in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.071)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.105)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.372	0.0734	0.0196
L3	14	1	0.342	0.0870	0.0241
L5	11	0	0.382	0.156	0.0469

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0107	0.00536	0.466	0.632
Residual	35	0.403	0.0115		
Total	37	0.414			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.632).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 13:08:15

Data source: 3I in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.304)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 13:08:15

Data source: 3I in Perinatal DA

Group	N	Missing	Median	25%	75%
L1	14	0	0.376	0.323	0.430
L3	14	1	0.390	0.352	0.493
L5	11	0	0.431	0.321	0.670

H = 1.726 with 2 degrees of freedom. (P = 0.422)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.422)

One Way Analysis of Variance

16 January 2019 13:09:38

Data source: 3S in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.601)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 13:09:38

Data source: 3S in Perinatal DA

Group	N	Missing	Median	25%	75%
L1	14	0	0.407	0.329	0.450
L3	14	1	0.382	0.329	0.448
L5	11	0	0.511	0.345	0.572

H = 3.481 with 2 degrees of freedom. (P = 0.175)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.175)

One Way Analysis of Variance

16 January 2019 13:11:10

Data source: 4C in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.626)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 13:11:10

Data source: 4C in Perinatal DA

Group	N	Missing	Median	25%	75%
L1	14	0	0.392	0.347	0.405
L3	14	1	0.364	0.307	0.417
L5	11	0	0.384	0.326	0.427

H = 0.259 with 2 degrees of freedom. (P = 0.879)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.879)

One Way Analysis of Variance

16 January 2019 13:10:24

Data source: 4I in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.078)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.465)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.407	0.104	0.0279
L3	14	1	0.413	0.102	0.0283
L5	11	0	0.441	0.0726	0.0219

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00788	0.00394	0.432	0.652
Residual	35	0.319	0.00911		
Total	37	0.327			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.652).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 13:12:16

Data source: 4S in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.350)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.786)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.408	0.0735	0.0196
L3	14	1	0.446	0.0690	0.0191
L5	11	0	0.423	0.0709	0.0214

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00977	0.00488	0.962	0.392
Residual	35	0.178	0.00508		
Total	37	0.187			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.392).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 13:13:53

Data source: 5C in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.086)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 13:13:53

Data source: 5C in Perinatal DA

Group	N	Missing	Median	25%	75%
L1	14	0	0.216	0.179	0.262
L3	14	1	0.239	0.177	0.257
L5	11	0	0.263	0.179	0.583

H = 1.618 with 2 degrees of freedom. (P = 0.445)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.445)

One Way Analysis of Variance

16 January 2019 13:13:06

Data source: 5I in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.601)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.092)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.350	0.0694	0.0186
L3	14	1	0.359	0.0926	0.0257
L5	11	0	0.446	0.139	0.0419

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0664	0.0332	3.243	0.051
Residual	35	0.358	0.0102		
Total	37	0.425			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.051).

Power of performed test with alpha = 0.050: 0.426

The power of the performed test (0.426) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 13:14:39

Data source: 5S in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.623)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 13:14:39

Data source: 5S in Perinatal DA

Group	N	Missing	Median	25%	75%
L1	14	0	0.338	0.294	0.435
L3	14	1	0.382	0.289	0.407
L5	11	0	0.407	0.303	0.569

H = 3.208 with 2 degrees of freedom. (P = 0.201)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.201)

One Way Analysis of Variance

16 January 2019 13:16:07

Data source: 6C in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.272)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.455)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.395	0.0550	0.0147
L3	14	1	0.351	0.0682	0.0189
L5	11	0	0.386	0.0619	0.0187

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0140	0.00699	1.834	0.175
Residual	35	0.133	0.00381		
Total	37	0.147			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.175).

Power of performed test with alpha = 0.050: 0.181

The power of the performed test (0.181) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 13:15:24

Data source: 6I in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.492)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.895)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.400	0.0696	0.0186
L3	14	1	0.447	0.0581	0.0161
L5	11	0	0.419	0.0717	0.0216

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0150	0.00751	1.696	0.198
Residual	35	0.155	0.00443		
Total	37	0.170			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.198).

Power of performed test with alpha = 0.050: 0.158

The power of the performed test (0.158) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 13:17:04

Data source: 6S in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.088)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.246)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.416	0.0764	0.0204
L3	14	1	0.405	0.0744	0.0206
L5	11	0	0.446	0.0467	0.0141

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0108	0.00539	1.150	0.328
Residual	35	0.164	0.00469		
Total	37	0.175			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.328).

Power of performed test with alpha = 0.050: 0.071

The power of the performed test (0.071) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 13:18:42

Data source: 7C in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.425)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.375)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.394	0.0673	0.0180
L3	14	1	0.425	0.0831	0.0230
L5	11	0	0.445	0.0999	0.0301

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0169	0.00846	1.226	0.306
Residual	35	0.242	0.00690		
Total	37	0.258			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.306).

Power of performed test with alpha = 0.050: 0.083

The power of the performed test (0.083) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 13:17:47

Data source: 7I in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.219)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.055)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.405	0.0676	0.0181
L3	14	1	0.418	0.0890	0.0247
L5	11	0	0.474	0.0840	0.0253

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0327	0.0163	2.539	0.093
Residual	35	0.225	0.00643		
Total	37	0.258			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.093).

Power of performed test with alpha = 0.050: 0.305

The power of the performed test (0.305) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 13:19:33

Data source: 7S in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.431)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.442)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.416	0.0578	0.0154
L3	14	1	0.448	0.0683	0.0190
L5	11	0	0.414	0.0732	0.0221

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00944	0.00472	1.079	0.351
Residual	35	0.153	0.00437		
Total	37	0.162			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.351).

Power of performed test with alpha = 0.050: 0.061

The power of the performed test (0.061) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 13:22:38

Data source: 8C in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.067)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 13:22:38

Data source: 8C in Perinatal DA

Group	N	Missing	Median	25%	75%
L1	14	0	0.259	0.178	0.324
L3	14	1	0.186	0.150	0.258
L5	11	0	0.705	0.161	0.843

H = 5.282 with 2 degrees of freedom. (P = 0.071)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.071)

One Way Analysis of Variance

16 January 2019 13:20:52

Data source: 8I in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.098)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 13:20:52

Data source: 8I in Perinatal DA

Group	N	Missing	Median	25%	75%
L1	14	0	0.380	0.326	0.439
L3	14	1	0.377	0.339	0.429
L5	11	0	0.548	0.411	0.764

H = 9.886 with 2 degrees of freedom. (P = 0.007)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.007)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	12.902	2.834	0.014	Yes
L5 vs L1	12.078	2.697	0.021	Yes
L1 vs L3	0.824	0.193	1.000	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

16 January 2019 13:23:37

Data source: 8S in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.166)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 13:23:37

Data source: 8S in Perinatal DA

Group	N	Missing	Median	25%	75%
L1	14	0	0.386	0.343	0.448
L3	14	1	0.351	0.326	0.438
L5	11	0	0.571	0.424	0.785

H = 11.590 with 2 degrees of freedom. (P = 0.003)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.003)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	14.538	3.193	0.004	Yes
L5 vs L1	12.286	2.744	0.018	Yes
L1 vs L3	2.253	0.526	1.000	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

16 January 2019 13:26:09

Data source: 9C in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.485)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.201)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.424	0.0811	0.0217
L3	14	1	0.396	0.0726	0.0201
L5	11	0	0.477	0.109	0.0330

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0394	0.0197	2.573	0.091
Residual	35	0.268	0.00766		
Total	37	0.308			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.091).

Power of performed test with alpha = 0.050: 0.311

The power of the performed test (0.311) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 13:24:20

Data source: 9I in Perinatal DA

Normality Test (Shapiro-Wilk): Passed (P = 0.185)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.392)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.398	0.107	0.0286
L3	14	1	0.418	0.0569	0.0158
L5	11	0	0.447	0.126	0.0380

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0152	0.00758	0.767	0.472
Residual	35	0.346	0.00989		
Total	37	0.361			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.472).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 13:27:02

Data source: 9S in Perinatal DA

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 13:27:02

Data source: 9S in Perinatal DA

Group	N	Missing	Median	25%	75%
L1	14	0	0.432	0.388	0.471
L3	14	1	0.388	0.374	0.464
L5	11	0	0.470	0.399	0.506

H = 3.560 with 2 degrees of freedom. (P = 0.169)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.169)

One Way Analysis of Variance

15 January 2019 13:45:48

Data source: 1C in Perinatal SMI

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 13:45:48

Data source: 1C in Perinatal SMI

Group	N	Missing	Median	25%	75%
L1	14	0	1.366	0.972	1.818
L3	14	1	1.620	1.327	2.028
L5	11	0	1.265	0.386	1.431

H = 5.388 with 2 degrees of freedom. (P = 0.068)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.068)

One Way Analysis of Variance

15 January 2019 13:43:23

Data source: II in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.231)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.389)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	1.502	0.502	0.134
L3	14	1	1.705	0.448	0.124
L5	11	0	1.036	0.600	0.181

Source of Variation	DF	SS	MS	F	P
Between Groups	2	2.764	1.382	5.210	0.010
Residual	35	9.285	0.265		
Total	37	12.049			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.010).

Power of performed test with alpha = 0.050: 0.701

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.669	3.172	0.009	Yes
L1 vs. L5	0.466	2.247	0.061	No
L3 vs. L1	0.203	1.023	0.313	No

One Way Analysis of Variance

15 January 2019 13:48:15

Data source: 1S in Perinatal SMI

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 13:48:15

Data source: 1S in Perinatal SMI

Group	N	Missing	Median	25%	75%
L1	14	0	1.636	1.426	1.884
L3	14	1	1.831	1.595	2.039
L5	11	0	1.342	0.714	1.572

H = 11.862 with 2 degrees of freedom. (P = 0.003)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.003)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L3 vs L5	15.483	3.401	0.002	Yes
L3 vs L1	5.060	1.182	0.711	No
L1 vs L5	10.422	2.328	0.060	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 14:17:31

Data source: 2C in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.068)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.695)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	1.125	0.730	0.195
L3	14	1	1.106	0.699	0.194
L5	11	0	0.594	0.760	0.229

Source of Variation	DF	SS	MS	F	P
Between Groups	2	2.126	1.063	2.003	0.150
Residual	35	18.580	0.531		
Total	37	20.706			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.150).

Power of performed test with alpha = 0.050: 0.210

The power of the performed test (0.210) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 13:55:49

Data source: 2I in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.540)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.289)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	1.312	0.502	0.134
L3	14	1	1.449	0.513	0.142
L5	11	0	0.732	0.592	0.178

Source of Variation	DF	SS	MS	F	P
Between Groups	2	3.387	1.694	5.961	0.006
Residual	35	9.943	0.284		
Total	37	13.331			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.006).

Power of performed test with alpha = 0.050: 0.775

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.717	3.283	0.007	Yes
L1 vs. L5	0.580	2.701	0.021	Yes
L3 vs. L1	0.137	0.666	0.510	No

One Way Analysis of Variance

15 January 2019 14:18:53

Data source: 2S in Perinatal SMI

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 14:18:53

Data source: 2S in Perinatal SMI

Group	N	Missing	Median	25%	75%
L1	14	0	1.361	0.915	1.792
L3	14	1	1.572	1.115	1.814
L5	11	0	1.033	0.331	1.486

H = 5.642 with 2 degrees of freedom. (P = 0.060)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.060)

One Way Analysis of Variance

15 January 2019 14:25:00

Data source: 3C in Perinatal SMI

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 14:25:00

Data source: 3C in Perinatal SMI

Group	N	Missing	Median	25%	75%
L1	14	0	1.592	1.064	1.850
L3	14	1	1.647	0.823	1.880
L5	11	0	1.278	0.337	1.631

H = 2.868 with 2 degrees of freedom. (P = 0.238)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.238)

One Way Analysis of Variance

15 January 2019 14:23:30

Data source: 3I in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.643)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.328)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	1.540	0.478	0.128
L3	14	1	1.639	0.411	0.114
L5	11	0	1.109	0.584	0.176

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1.856	0.928	3.867	0.030
Residual	35	8.397	0.240		
Total	37	10.252			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.030).

Power of performed test with alpha = 0.050: 0.526

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.530	2.641	0.036	Yes
L1 vs. L5	0.431	2.182	0.071	No
L3 vs. L1	0.0994	0.527	0.601	No

One Way Analysis of Variance

15 January 2019 14:26:17

Data source: 3S in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.214)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.112)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	1.614	0.303	0.0810
L3	14	1	1.614	0.422	0.117
L5	11	0	1.044	0.590	0.178

Source of Variation	DF	SS	MS	F	P
Between Groups	2	2.539	1.269	6.524	0.004
Residual	35	6.810	0.195		
Total	37	9.349			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.004).

Power of performed test with alpha = 0.050: 0.821

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L1 vs. L5	0.570	3.205	0.009	Yes
L3 vs. L5	0.570	3.156	0.007	Yes
L3 vs. L1	0.000685	0.00403	0.997	No

One Way Analysis of Variance

15 January 2019 14:29:14

Data source: 4C in Perinatal SMI

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 14:29:14

Data source: 4C in Perinatal SMI

Group	N	Missing	Median	25%	75%
L1	14	0	1.591	1.195	1.729
L3	14	1	1.758	1.258	1.878
L5	11	0	1.357	0.706	1.515

H = 5.480 with 2 degrees of freedom. (P = 0.065)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.065)

One Way Analysis of Variance

15 January 2019 14:27:38

Data source: 4I in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.179)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.658)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	1.166	0.446	0.119
L3	14	1	1.395	0.431	0.120
L5	11	0	0.778	0.559	0.169

Source of Variation	DF	SS	MS	F	P
Between Groups	2	2.294	1.147	5.053	0.012
Residual	35	7.944	0.227		
Total	37	10.238			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.012).

Power of performed test with alpha = 0.050: 0.684

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.617	3.161	0.010	Yes
L1 vs. L5	0.388	2.023	0.099	No
L3 vs. L1	0.229	1.246	0.221	No

One Way Analysis of Variance

15 January 2019 14:30:37

Data source: 4S in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.678)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.400)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	1.404	0.365	0.0976
L3	14	1	1.425	0.477	0.132
L5	11	0	0.743	0.531	0.160

Source of Variation	DF	SS	MS	F	P
Between Groups	2	3.519	1.760	8.458	0.001
Residual	35	7.282	0.208		
Total	37	10.801			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.001).

Power of performed test with alpha = 0.050: 0.922

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.682	3.647	0.003	Yes
L1 vs. L5	0.661	3.595	0.002	Yes
L3 vs. L1	0.0208	0.119	0.906	No

One Way Analysis of Variance

15 January 2019 14:33:14

Data source: 5C in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.422)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.852)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.727	0.855	0.229
L3	14	1	0.820	0.732	0.203
L5	11	0	0.532	0.623	0.188

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.509	0.254	0.449	0.642
Residual	35	19.818	0.566		
Total	37	20.327			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.642).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 14:31:56

Data source: 5I in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.061)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.970)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.990	0.689	0.184
L3	14	1	1.170	0.695	0.193
L5	11	0	0.551	0.551	0.166

Source of Variation	DF	SS	MS	F	P
Between Groups	2	2.377	1.189	2.772	0.076
Residual	35	15.005	0.429		
Total	37	17.383			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.076).

Power of performed test with alpha = 0.050: 0.346

The power of the performed test (0.346) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 14:34:36

Data source: 5S in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.248)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.874)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	1.176	0.691	0.185
L3	14	1	1.209	0.513	0.142
L5	11	0	0.635	0.616	0.186

Source of Variation	DF	SS	MS	F	P
Between Groups	2	2.431	1.216	3.233	0.051
Residual	35	13.160	0.376		
Total	37	15.591			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.051).

Power of performed test with alpha = 0.050: 0.424

The power of the performed test (0.424) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 14:37:09

Data source: 6C in Perinatal SMI

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 14:37:09

Data source: 6C in Perinatal SMI

Group	N	Missing	Median	25%	75%
L1	14	0	1.457	1.239	1.787
L3	14	1	1.686	1.439	1.878
L5	11	0	1.328	0.402	1.543

H = 6.502 with 2 degrees of freedom. (P = 0.039)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.039)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L3 vs L5	11.601	2.548	0.032	Yes
L3 vs L1	4.978	1.163	0.734	No
L1 vs L5	6.623	1.479	0.417	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 14:35:51

Data source: 6I in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.672)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.503)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	1.208	0.469	0.125
L3	14	1	1.337	0.480	0.133
L5	11	0	0.858	0.569	0.172

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1.439	0.720	2.841	0.072
Residual	35	8.864	0.253		
Total	37	10.303			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.072).

Power of performed test with alpha = 0.050: 0.358

The power of the performed test (0.358) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 14:38:53

Data source: 6S in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.100)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.957)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	1.365	0.438	0.117
L3	14	1	1.394	0.343	0.0952
L5	11	0	0.722	0.489	0.148

Source of Variation	DF	SS	MS	F	P
Between Groups	2	3.380	1.690	9.388	<0.001
Residual	35	6.302	0.180		
Total	37	9.682			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 0.949

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.672	3.867	0.001	Yes
L1 vs. L5	0.643	3.761	0.001	Yes
L3 vs. L1	0.0291	0.178	0.859	No

One Way Analysis of Variance

15 January 2019 14:41:38

Data source: 7C in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.426)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.752)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	1.687	0.498	0.133
L3	14	1	1.841	0.474	0.132
L5	11	0	1.282	0.572	0.172

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1.954	0.977	3.720	0.034
Residual	35	9.192	0.263		
Total	37	11.146			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.034).

Power of performed test with alpha = 0.050: 0.503

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.559	2.662	0.035	Yes
L1 vs. L5	0.405	1.962	0.112	No
L3 vs. L1	0.154	0.780	0.441	No

One Way Analysis of Variance

15 January 2019 14:40:20

Data source: 7I in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.359)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.447)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	1.227	0.631	0.169
L3	14	1	1.539	0.414	0.115
L5	11	0	0.819	0.555	0.167

Source of Variation	DF	SS	MS	F	P
Between Groups	2	3.096	1.548	5.253	0.010
Residual	35	10.313	0.295		
Total	37	13.409			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.010).

Power of performed test with alpha = 0.050: 0.706

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.720	3.240	0.008	Yes
L1 vs. L5	0.408	1.867	0.136	No
L3 vs. L1	0.312	1.493	0.144	No

One Way Analysis of Variance

15 January 2019 14:48:23

Data source: 7S in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.462)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.763)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	1.459	0.549	0.147
L3	14	1	1.552	0.441	0.122
L5	11	0	0.801	0.637	0.192

Source of Variation	DF	SS	MS	F	P
Between Groups	2	3.914	1.957	6.648	0.004
Residual	35	10.302	0.294		
Total	37	14.216			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.004).

Power of performed test with alpha = 0.050: 0.829

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.750	3.376	0.005	Yes
L1 vs. L5	0.658	3.010	0.010	Yes
L3 vs. L1	0.0922	0.441	0.662	No

One Way Analysis of Variance

15 January 2019 14:51:22

Data source: 8C in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.302)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.608)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.0561	0.957	0.256
L3	14	1	0.172	0.818	0.227
L5	11	0	-0.0915	1.096	0.330

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.413	0.206	0.226	0.799
Residual	35	31.929	0.912		
Total	37	32.342			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.799).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 14:49:56

Data source: 8I in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.197)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.665)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	1.107	0.660	0.176
L3	14	1	1.305	0.613	0.170
L5	11	0	0.622	0.756	0.228

Source of Variation	DF	SS	MS	F	P
Between Groups	2	2.896	1.448	3.188	0.053
Residual	35	15.895	0.454		
Total	37	18.791			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.053).

Power of performed test with alpha = 0.050: 0.417

The power of the performed test (0.417) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 14:53:04

Data source: 8S in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.579)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.053)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	1.225	0.495	0.132
L3	14	1	1.293	0.479	0.133
L5	11	0	0.703	0.879	0.265

Source of Variation	DF	SS	MS	F	P
Between Groups	2	2.438	1.219	3.123	0.057
Residual	35	13.666	0.390		
Total	37	16.105			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.057).

Power of performed test with alpha = 0.050: 0.406

The power of the performed test (0.406) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 14:55:52

Data source: 9C in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.307)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 14:55:52

Data source: 9C in Perinatal SMI

Group	N	Missing	Median	25%	75%
L1	14	0	1.633	1.428	2.085
L3	14	1	1.841	1.538	2.070
L5	11	0	1.483	0.636	1.901

H = 2.297 with 2 degrees of freedom. (P = 0.317)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.317)

One Way Analysis of Variance

15 January 2019 14:54:27

Data source: 9I in Perinatal SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.086)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.119)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	1.304	0.400	0.107
L3	14	1	1.486	0.494	0.137
L5	11	0	0.868	0.721	0.217

Source of Variation	DF	SS	MS	F	P
Between Groups	2	2.365	1.182	4.055	0.026
Residual	35	10.204	0.292		
Total	37	12.569			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.026).

Power of performed test with alpha = 0.050: 0.553

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.618	2.793	0.025	Yes
L1 vs. L5	0.436	2.003	0.103	No
L3 vs. L1	0.182	0.876	0.387	No

One Way Analysis of Variance

15 January 2019 14:57:15

Data source: 9S in Perinatal SMI

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 14:57:15

Data source: 9S in Perinatal SMI

Group	N	Missing	Median	25%	75%
L1	14	0	1.663	1.305	1.774
L3	14	1	1.460	1.137	1.755
L5	11	0	1.094	0.554	1.440

H = 9.213 with 2 degrees of freedom. (P = 0.010)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.010)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L1 vs L5	13.052	2.915	0.011	Yes
L1 vs L3	2.527	0.590	1.000	No
L3 vs L5	10.524	2.312	0.062	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 15:36:34

Data source: 1C in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.109)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.434)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00218	0.000631	0.000169
L3	14	1	0.00226	0.000812	0.000225
L5	11	0	0.00245	0.000562	0.000169

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000484	0.000000242	0.522	0.598
Residual	35	0.0000162	0.000000464		
Total	37	0.0000167			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.598).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:35:37

Data source: II in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.682)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.773)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00297	0.000887	0.000237
L3	14	1	0.00268	0.000901	0.000250
L5	11	0	0.00318	0.000649	0.000196

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00000152	0.000000761	1.101	0.344
Residual	35	0.0000242	0.000000691		
Total	37	0.0000257			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.344).

Power of performed test with alpha = 0.050: 0.064

The power of the performed test (0.064) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:37:52

Data source: 1S in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.818)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.637)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00294	0.000721	0.000193
L3	14	1	0.00270	0.000993	0.000275
L5	11	0	0.00313	0.000680	0.000205

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00000115	0.000000573	0.863	0.431
Residual	35	0.0000232	0.000000663		
Total	37	0.0000244			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.431).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:39:18

Data source: 2C in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.358)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.705)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00186	0.000648	0.000173
L3	14	1	0.00204	0.000710	0.000197
L5	11	0	0.00210	0.000582	0.000175

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000409	0.000000204	0.480	0.623
Residual	35	0.0000149	0.000000426		
Total	37	0.0000153			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.623).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:38:34

Data source: 2I in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.178)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.958)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00281	0.000772	0.000206
L3	14	1	0.00265	0.000791	0.000219
L5	11	0	0.00312	0.000617	0.000186

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00000131	0.000000657	1.207	0.311
Residual	35	0.0000191	0.000000544		
Total	37	0.0000204			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.311).

Power of performed test with alpha = 0.050: 0.080

The power of the performed test (0.080) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:40:04

Data source: 2S in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.914)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.838)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00280	0.000689	0.000184
L3	14	1	0.00268	0.000806	0.000224
L5	11	0	0.00297	0.000578	0.000174

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000486	0.000000243	0.491	0.616
Residual	35	0.0000173	0.000000494		
Total	37	0.0000178			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.616).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:41:29

Data source: 3C in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.469)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.345)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00218	0.000632	0.000169
L3	14	1	0.00218	0.000763	0.000212
L5	11	0	0.00241	0.000522	0.000157

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000417	0.000000209	0.490	0.617
Residual	35	0.0000149	0.000000426		
Total	37	0.0000153			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.617).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:40:49

Data source: 3I in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.527)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.869)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00293	0.000933	0.000249
L3	14	1	0.00279	0.000943	0.000262
L5	11	0	0.00316	0.000733	0.000221

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000799	0.000000399	0.511	0.604
Residual	35	0.0000274	0.000000782		
Total	37	0.0000282			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.604).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:42:14

Data source: 3S in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.569)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.643)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00295	0.000690	0.000185
L3	14	1	0.00293	0.000737	0.000204
L5	11	0	0.00305	0.000529	0.000159

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0000000941	0.0000000470	0.106	0.900
Residual	35	0.0000155	0.000000443		
Total	37	0.0000156			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.900).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:51:03

Data source: 4C in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.129)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.579)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00216	0.000604	0.000161
L3	14	1	0.00202	0.000708	0.000196
L5	11	0	0.00229	0.000454	0.000137

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000435	0.000000218	0.595	0.557
Residual	35	0.0000128	0.000000366		
Total	37	0.0000132			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.557).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:49:31

Data source: 4I in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.246)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.395)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00293	0.000764	0.000204
L3	14	1	0.00272	0.000795	0.000221
L5	11	0	0.00301	0.000468	0.000141

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000566	0.000000283	0.570	0.571
Residual	35	0.0000174	0.000000496		
Total	37	0.0000179			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.571).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:52:02

Data source: 4S in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 15:52:02

Data source: 4S in Perinatal Tb.N

Group	N	Missing	Median	25%	75%
L1	14	0	0.00284	0.00260	0.00334
L3	14	1	0.00277	0.00231	0.00345
L5	11	0	0.00292	0.00263	0.00382

H = 1.668 with 2 degrees of freedom. (P = 0.434)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.434)

One Way Analysis of Variance

15 January 2019 15:53:45

Data source: 5C in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.228)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.551)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00211	0.000680	0.000182
L3	14	1	0.00211	0.000749	0.000208
L5	11	0	0.00221	0.000504	0.000152

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0000000770	0.0000000385	0.0882	0.916
Residual	35	0.0000153	0.000000437		
Total	37	0.0000154			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.916).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:52:58

Data source: 5I in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.131)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.530)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00268	0.000705	0.000188
L3	14	1	0.00259	0.000760	0.000211
L5	11	0	0.00278	0.000413	0.000125

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000234	0.000000117	0.271	0.765
Residual	35	0.0000151	0.000000432		
Total	37	0.0000153			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.765).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:54:28

Data source: 5S in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.461)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.444)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00249	0.000659	0.000176
L3	14	1	0.00256	0.000774	0.000215
L5	11	0	0.00283	0.000434	0.000131

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000745	0.000000373	0.885	0.422
Residual	35	0.0000147	0.000000421		
Total	37	0.0000155			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.422).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:57:38

Data source: 6C in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.096)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.874)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00215	0.000632	0.000169
L3	14	1	0.00199	0.000679	0.000188
L5	11	0	0.00237	0.000502	0.000151

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000847	0.000000424	1.119	0.338
Residual	35	0.0000132	0.000000379		
Total	37	0.0000141			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.338).

Power of performed test with alpha = 0.050: 0.067

The power of the performed test (0.067) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:56:43

Data source: 6I in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.057)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.833)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00291	0.000800	0.000214
L3	14	1	0.00276	0.000876	0.000243
L5	11	0	0.00302	0.000627	0.000189

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000424	0.000000212	0.346	0.710
Residual	35	0.0000214	0.000000613		
Total	37	0.0000219			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.710).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:58:28

Data source: 6S in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.507)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.393)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00276	0.000680	0.000182
L3	14	1	0.00269	0.000745	0.000207
L5	11	0	0.00309	0.000432	0.000130

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00000109	0.000000547	1.319	0.280
Residual	35	0.0000145	0.000000415		
Total	37	0.0000156			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.280).

Power of performed test with alpha = 0.050: 0.097

The power of the performed test (0.097) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:59:55

Data source: 7C in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.830)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.796)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00223	0.000612	0.000164
L3	14	1	0.00208	0.000708	0.000196
L5	11	0	0.00234	0.000625	0.000188

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000419	0.000000210	0.496	0.613
Residual	35	0.0000148	0.000000422		
Total	37	0.0000152			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.613).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 15:59:11

Data source: 7I in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.186)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.931)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00313	0.000791	0.000211
L3	14	1	0.00293	0.000759	0.000210
L5	11	0	0.00316	0.000561	0.000169

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000394	0.000000197	0.379	0.687
Residual	35	0.0000182	0.000000520		
Total	37	0.0000186			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.687).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 16:00:36

Data source: 7S in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.188)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.935)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00294	0.000866	0.000231
L3	14	1	0.00284	0.000939	0.000260
L5	11	0	0.00324	0.000735	0.000222

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00000103	0.000000516	0.702	0.503
Residual	35	0.0000257	0.000000735		
Total	37	0.0000268			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.503).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 16:02:09

Data source: 8C in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.242)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.492)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00226	0.000810	0.000217
L3	14	1	0.00220	0.000804	0.000223
L5	11	0	0.00212	0.000594	0.000179

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000130	0.0000000650	0.115	0.892
Residual	35	0.0000198	0.000000566		
Total	37	0.0000199			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.892).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 16:01:20

Data source: 8I in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.495)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.843)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00280	0.000805	0.000215
L3	14	1	0.00271	0.000805	0.000223
L5	11	0	0.00287	0.000637	0.000192

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000162	0.0000000810	0.140	0.870
Residual	35	0.0000203	0.000000579		
Total	37	0.0000204			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.870).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 16:02:55

Data source: 8S in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.355)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.844)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00277	0.000840	0.000224
L3	14	1	0.00259	0.000947	0.000263
L5	11	0	0.00295	0.000711	0.000214

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000795	0.000000398	0.557	0.578
Residual	35	0.0000250	0.000000713		
Total	37	0.0000258			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.578).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 16:04:21

Data source: 9C in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.718)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.875)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00226	0.000683	0.000183
L3	14	1	0.00203	0.000612	0.000170
L5	11	0	0.00233	0.000620	0.000187

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000627	0.000000314	0.762	0.474
Residual	35	0.0000144	0.000000412		
Total	37	0.0000150			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.474).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 16:03:40

Data source: 9I in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.684)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.716)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00316	0.000717	0.000192
L3	14	1	0.00285	0.000887	0.000246
L5	11	0	0.00315	0.000762	0.000230

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000788	0.000000394	0.629	0.539
Residual	35	0.0000219	0.000000627		
Total	37	0.0000227			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.539).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 16:05:05

Data source: 9S in Perinatal Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.413)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.860)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	0.00290	0.000795	0.000212
L3	14	1	0.00281	0.000865	0.000240
L5	11	0	0.00325	0.000566	0.000171

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00000125	0.000000627	1.077	0.352
Residual	35	0.0000204	0.000000582		
Total	37	0.0000216			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.352).

Power of performed test with alpha = 0.050: 0.061

The power of the performed test (0.061) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 16:10:32

Data source: 1C in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:10:32

Data source: 1C in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	301.058	269.146	404.146
L3	14	1	273.981	229.963	334.940
L5	11	0	269.462	240.344	293.673

H = 4.747 with 2 degrees of freedom. (P = 0.093)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.093)

One Way Analysis of Variance

15 January 2019 16:09:36

Data source: II in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:09:36

Data source: II in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	211.823	193.440	221.315
L3	14	1	223.115	196.931	284.295
L5	11	0	189.575	172.974	196.299

H = 6.576 with 2 degrees of freedom. (P = 0.037)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.037)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L3 vs L5	11.378	2.499	0.037	Yes
L3 vs L1	3.066	0.716	1.000	No
L1 vs L5	8.312	1.856	0.190	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 16:11:14

Data source: 1S in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:11:14

Data source: 1S in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	199.275	192.007	261.022
L3	14	1	222.019	176.327	267.274
L5	11	0	194.100	167.846	210.670

H = 3.302 with 2 degrees of freedom. (P = 0.192)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.192)

One Way Analysis of Variance

15 January 2019 16:38:26

Data source: 2C in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.143)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.878)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	443.172	141.836	37.907
L3	14	1	394.109	95.288	26.428
L5	11	0	369.947	115.372	34.786

Source of Variation	DF	SS	MS	F	P
Between Groups	2	35455.733	17727.867	1.232	0.304
Residual	35	503590.482	14388.299		
Total	37	539046.216			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.304).

Power of performed test with alpha = 0.050: 0.084

The power of the performed test (0.084) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 16:12:20

Data source: 2I in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:12:20

Data source: 2I in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	214.148	198.877	245.321
L3	14	1	231.991	207.299	337.147
L5	11	0	191.981	175.125	226.202

H = 5.830 with 2 degrees of freedom. (P = 0.054)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.054)

One Way Analysis of Variance

15 January 2019 16:39:15

Data source: 2S in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:39:15

Data source: 2S in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	235.893	204.477	253.645
L3	14	1	234.107	212.186	255.310
L5	11	0	203.069	179.580	220.652

H = 5.602 with 2 degrees of freedom. (P = 0.061)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.061)

One Way Analysis of Variance

15 January 2019 16:42:40

Data source: 3C in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:42:40

Data source: 3C in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	284.161	249.334	332.839
L3	14	1	289.884	262.767	381.585
L5	11	0	254.063	228.611	303.586

H = 3.226 with 2 degrees of freedom. (P = 0.199)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.199)

One Way Analysis of Variance

15 January 2019 16:40:07

Data source: 3I in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:40:07

Data source: 3I in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	202.420	183.707	235.401
L3	14	1	205.349	194.512	240.925
L5	11	0	189.202	164.116	215.393

H = 2.592 with 2 degrees of freedom. (P = 0.274)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.274)

One Way Analysis of Variance

15 January 2019 16:44:36

Data source: 3S in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:44:36

Data source: 3S in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	209.971	191.013	224.210
L3	14	1	216.960	181.090	245.763
L5	11	0	194.519	176.852	215.454

H = 2.301 with 2 degrees of freedom. (P = 0.317)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.317)

One Way Analysis of Variance

15 January 2019 16:46:35

Data source: 4C in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:46:35

Data source: 4C in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	288.030	248.278	325.667
L3	14	1	292.912	246.401	335.631
L5	11	0	255.275	218.627	272.153

H = 4.441 with 2 degrees of freedom. (P = 0.109)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.109)

One Way Analysis of Variance

15 January 2019 16:45:41

Data source: 4I in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:45:41

Data source: 4I in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	232.890	199.890	250.504
L3	14	1	233.905	212.168	267.811
L5	11	0	209.822	193.747	217.756

H = 3.807 with 2 degrees of freedom. (P = 0.149)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.149)

One Way Analysis of Variance

15 January 2019 16:47:56

Data source: 4S in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:47:56

Data source: 4S in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	218.394	204.335	247.363
L3	14	1	228.033	198.738	265.358
L5	11	0	192.961	166.401	226.381

H = 4.441 with 2 degrees of freedom. (P = 0.109)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.109)

One Way Analysis of Variance

15 January 2019 16:50:25

Data source: 5C in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.318)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.767)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	362.862	91.934	24.570
L3	14	1	368.105	90.862	25.200
L5	11	0	333.797	71.977	21.702

Source of Variation	DF	SS	MS	F	P
Between Groups	2	7984.559	3992.279	0.536	0.590
Residual	35	260751.135	7450.032		
Total	37	268735.694			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.590).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

15 January 2019 16:49:32

Data source: 5I in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:49:32

Data source: 5I in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	233.086	200.533	263.174
L3	14	1	242.181	216.794	270.701
L5	11	0	229.457	195.036	248.924

H = 1.396 with 2 degrees of freedom. (P = 0.498)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.498)

One Way Analysis of Variance

15 January 2019 16:51:48

Data source: 5S in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:51:48

Data source: 5S in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	256.659	221.292	274.401
L3	14	1	246.074	219.298	287.207
L5	11	0	222.579	196.938	228.759

H = 5.152 with 2 degrees of freedom. (P = 0.076)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.076)

One Way Analysis of Variance

15 January 2019 16:53:40

Data source: 6C in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:53:40

Data source: 6C in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	279.906	250.214	316.082
L3	14	1	286.827	252.469	338.866
L5	11	0	234.670	208.546	282.191

H = 5.909 with 2 degrees of freedom. (P = 0.052)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.052)

One Way Analysis of Variance

15 January 2019 16:52:47

Data source: 6I in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:52:47

Data source: 6I in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	208.799	191.882	244.776
L3	14	1	232.176	208.459	260.169
L5	11	0	215.876	173.766	224.310

H = 2.831 with 2 degrees of freedom. (P = 0.243)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.243)

One Way Analysis of Variance

15 January 2019 16:54:25

Data source: 6S in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:54:25

Data source: 6S in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	234.750	219.910	254.838
L3	14	1	242.103	201.905	271.019
L5	11	0	196.028	180.341	219.303

H = 7.761 with 2 degrees of freedom. (P = 0.021)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.021)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L3 vs L5	11.287	2.479	0.040	Yes
L3 vs L1	0.423	0.0988	1.000	No
L1 vs L5	10.864	2.426	0.046	Yes

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 16:55:51

Data source: 7C in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:55:51

Data source: 7C in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	265.993	222.210	288.639
L3	14	1	260.680	228.469	295.915
L5	11	0	247.961	203.435	309.934

H = 1.238 with 2 degrees of freedom. (P = 0.538)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.538)

One Way Analysis of Variance

15 January 2019 16:55:09

Data source: 7I in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:55:09

Data source: 7I in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	203.457	172.114	238.883
L3	14	1	212.367	185.772	231.388
L5	11	0	210.113	169.533	232.092

H = 1.429 with 2 degrees of freedom. (P = 0.489)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.489)

One Way Analysis of Variance

15 January 2019 16:56:35

Data source: 7S in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:56:35

Data source: 7S in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	214.043	181.928	241.814
L3	14	1	206.717	189.367	243.951
L5	11	0	197.187	159.787	226.893

H = 2.651 with 2 degrees of freedom. (P = 0.266)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.266)

One Way Analysis of Variance

15 January 2019 16:59:24

Data source: 8C in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:59:24

Data source: 8C in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	417.833	351.020	634.847
L3	14	1	517.962	361.052	660.036
L5	11	0	430.114	412.407	508.810

H = 0.572 with 2 degrees of freedom. (P = 0.751)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.751)

One Way Analysis of Variance

15 January 2019 16:57:49

Data source: 8I in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 16:57:49

Data source: 8I in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	228.849	210.351	284.983
L3	14	1	260.329	226.499	299.188
L5	11	0	217.240	189.970	300.814

H = 2.591 with 2 degrees of freedom. (P = 0.274)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.274)

One Way Analysis of Variance

15 January 2019 17:00:15

Data source: 8S in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 17:00:15

Data source: 8S in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	234.965	202.929	278.409
L3	14	1	282.342	214.057	318.897
L5	11	0	209.882	187.454	243.748

H = 5.950 with 2 degrees of freedom. (P = 0.051)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.051)

One Way Analysis of Variance

15 January 2019 17:01:48

Data source: 9C in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 17:01:48

Data source: 9C in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	253.791	225.931	306.840
L3	14	1	281.046	233.080	312.967
L5	11	0	241.657	207.526	268.416

H = 3.523 with 2 degrees of freedom. (P = 0.172)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.172)

One Way Analysis of Variance

15 January 2019 17:00:57

Data source: 9I in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 17:00:57

Data source: 9I in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	194.624	182.157	254.530
L3	14	1	219.061	189.599	267.507
L5	11	0	204.108	167.497	238.071

H = 1.799 with 2 degrees of freedom. (P = 0.407)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.407)

One Way Analysis of Variance

15 January 2019 17:02:38

Data source: 9S in Perinatal Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 17:02:38

Data source: 9S in Perinatal Tb.Sp

Group	N	Missing	Median	25%	75%
L1	14	0	217.806	185.180	236.826
L3	14	1	206.488	193.174	246.931
L5	11	0	180.878	155.924	212.325

H = 5.615 with 2 degrees of freedom. (P = 0.060)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.060)

One Way Analysis of Variance

15 January 2019 15:03:43

Data source: 1C in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.098)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.313)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	114.349	22.606	6.042
L3	14	1	91.537	16.218	4.498
L5	11	0	128.577	12.828	3.868

Source of Variation	DF	SS	MS	F	P
Between Groups	2	8475.773	4237.886	12.960	<0.001
Residual	35	11445.144	327.004		
Total	37	19920.917			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 0.991

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	37.040	5.000	<0.001	Yes
L1 vs. L3	22.812	3.275	0.005	Yes
L5 vs. L1	14.228	1.953	0.059	No

One Way Analysis of Variance

15 January 2019 15:02:25

Data source: II in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 15:02:25

Data source: II in Perinatal Tb.Th

Group	N	Missing	Median	25%	75%
L1	14	0	92.188	79.366	97.422
L3	14	1	80.652	75.028	84.648
L5	11	0	111.237	104.744	118.802

H = 22.619 with 2 degrees of freedom. (P = <0.001)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	21.399	4.700	<0.001	Yes
L5 vs L1	14.305	3.195	0.004	Yes
L1 vs L3	7.093	1.657	0.292	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 15:04:24

Data source: 1S in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.217)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.288)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	82.513	13.053	3.489
L3	14	1	74.671	7.406	2.054
L5	11	0	110.478	11.470	3.458

Source of Variation	DF	SS	MS	F	P
Between Groups	2	8288.895	4144.447	34.630	<0.001
Residual	35	4188.774	119.679		
Total	37	12477.668			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 1.000

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	35.807	7.990	<0.001	Yes
L5 vs. L1	27.965	6.344	<0.001	Yes
L1 vs. L3	7.843	1.861	0.071	No

One Way Analysis of Variance

15 January 2019 15:06:44

Data source: 2C in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.521)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.273)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	130.604	24.524	6.554
L3	14	1	118.427	28.736	7.970
L5	11	0	154.846	17.070	5.147

Source of Variation	DF	SS	MS	F	P
Between Groups	2	8083.350	4041.675	6.853	0.003
Residual	35	20641.401	589.754		
Total	37	28724.751			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.003).

Power of performed test with alpha = 0.050: 0.843

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	36.420	3.661	0.002	Yes
L5 vs. L1	24.242	2.478	0.036	Yes
L1 vs. L3	12.178	1.302	0.201	No

One Way Analysis of Variance

15 January 2019 15:05:11

Data source: 2I in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.631)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.965)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	94.958	14.990	4.006
L3	14	1	86.809	12.466	3.458
L5	11	0	118.392	11.672	3.519

Source of Variation	DF	SS	MS	F	P
Between Groups	2	6296.978	3148.489	17.923	<0.001
Residual	35	6148.533	175.672		
Total	37	12445.511			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 0.999

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	31.582	5.816	<0.001	Yes
L5 vs. L1	23.433	4.388	<0.001	Yes
L1 vs. L3	8.149	1.596	0.119	No

One Way Analysis of Variance

15 January 2019 15:07:32

Data source: 2S in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.282)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.438)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	90.888	16.274	4.349
L3	14	1	85.905	14.703	4.078
L5	11	0	115.466	10.625	3.204

Source of Variation	DF	SS	MS	F	P
Between Groups	2	5855.560	2927.780	14.300	<0.001
Residual	35	7165.789	204.737		
Total	37	13021.350			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 0.996

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	29.561	5.043	<0.001	Yes
L5 vs. L1	24.578	4.263	<0.001	Yes
L1 vs. L3	4.983	0.904	0.372	No

One Way Analysis of Variance

15 January 2019 15:09:17

Data source: 3C in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.578)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.107)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	106.699	22.237	5.943
L3	14	1	99.742	19.037	5.280
L5	11	0	128.899	12.330	3.718

Source of Variation	DF	SS	MS	F	P
Between Groups	2	5428.412	2714.206	7.725	0.002
Residual	35	12297.627	351.361		
Total	37	17726.039			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.002).

Power of performed test with alpha = 0.050: 0.892

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	29.157	3.797	0.002	Yes
L5 vs. L1	22.200	2.939	0.012	Yes
L1 vs. L3	6.957	0.964	0.342	No

One Way Analysis of Variance

15 January 2019 15:08:21

Data source: 3I in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.398)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.864)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	84.424	11.369	3.038
L3	14	1	81.126	12.736	3.532
L5	11	0	108.008	8.590	2.590

Source of Variation	DF	SS	MS	F	P
Between Groups	2	5025.248	2512.624	20.149	<0.001
Residual	35	4364.661	124.705		
Total	37	9389.909			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 1.000

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	26.881	5.876	<0.001	Yes
L5 vs. L1	23.583	5.241	<0.001	Yes
L1 vs. L3	3.298	0.767	0.448	No

One Way Analysis of Variance

15 January 2019 15:10:05

Data source: 3S in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.524)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.552)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	78.720	13.702	3.662
L3	14	1	78.921	14.404	3.995
L5	11	0	110.714	9.752	2.940

Source of Variation	DF	SS	MS	F	P
Between Groups	2	7952.611	3976.306	23.662	<0.001
Residual	35	5881.522	168.043		
Total	37	13834.133			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 1.000

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L1	31.995	6.126	<0.001	Yes
L5 vs. L3	31.794	5.987	<0.001	Yes
L3 vs. L1	0.201	0.0402	0.968	No

One Way Analysis of Variance

15 January 2019 15:11:45

Data source: 4C in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 15:11:45

Data source: 4C in Perinatal Tb.Th

Group	N	Missing	Median	25%	75%
L1	14	0	114.488	100.007	122.420
L3	14	1	103.173	95.311	109.168
L5	11	0	131.317	122.790	137.018

H = 16.513 with 2 degrees of freedom. (P = <0.001)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	18.273	4.014	<0.001	Yes
L5 vs L1	12.273	2.741	0.018	Yes
L1 vs L3	6.000	1.402	0.483	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 15:10:50

Data source: 4I in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 15:10:50

Data source: 4I in Perinatal Tb.Th

Group	N	Missing	Median	25%	75%
L1	14	0	100.004	92.066	107.783
L3	14	1	89.985	83.799	94.060
L5	11	0	116.328	110.219	132.396

H = 23.240 with 2 degrees of freedom. (P = <0.001)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	21.895	4.809	<0.001	Yes
L5 vs L1	13.104	2.927	0.010	Yes
L1 vs L3	8.791	2.054	0.120	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 15:12:31

Data source: 4S in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.257)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.336)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	90.740	6.884	1.840
L3	14	1	87.807	9.882	2.741
L5	11	0	121.209	11.252	3.392

Source of Variation	DF	SS	MS	F	P
Between Groups	2	8001.805	4000.902	45.855	<0.001
Residual	35	3053.809	87.252		
Total	37	11055.614			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 1.000

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	33.402	8.729	<0.001	Yes
L5 vs. L1	30.468	8.096	<0.001	Yes
L1 vs. L3	2.934	0.815	0.420	No

One Way Analysis of Variance

15 January 2019 15:19:10

Data source: 5C in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 15:19:10

Data source: 5C in Perinatal Tb.Th

Group	N	Missing	Median	25%	75%
L1	14	0	129.420	122.165	151.367
L3	14	1	122.129	111.604	137.523
L5	11	0	148.828	145.675	181.435

H = 10.880 with 2 degrees of freedom. (P = 0.004)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.004)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	14.874	3.267	0.003	Yes
L5 vs L1	9.753	2.178	0.088	No
L1 vs L3	5.121	1.196	0.695	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 15:18:20

Data source: 5I in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.110)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.447)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	115.615	28.489	7.614
L3	14	1	102.290	18.706	5.188
L5	11	0	142.328	13.815	4.165

Source of Variation	DF	SS	MS	F	P
Between Groups	2	9775.153	4887.576	10.269	<0.001
Residual	35	16658.715	475.963		
Total	37	26433.868			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 0.966

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	40.039	4.480	<0.001	Yes
L5 vs. L1	26.713	3.039	0.009	Yes
L1 vs. L3	13.326	1.586	0.122	No

One Way Analysis of Variance

15 January 2019 15:20:02

Data source: 5S in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 15:20:02

Data source: 5S in Perinatal Tb.Th

Group	N	Missing	Median	25%	75%
L1	14	0	106.808	89.674	130.628
L3	14	1	103.486	85.936	111.852
L5	11	0	136.303	131.205	146.755

H = 14.664 with 2 degrees of freedom. (P = <0.001)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	16.629	3.653	<0.001	Yes
L5 vs L1	13.305	2.972	0.009	Yes
L1 vs L3	3.324	0.777	1.000	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 15:21:51

Data source: 6C in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 15:21:51

Data source: 6C in Perinatal Tb.Th

Group	N	Missing	Median	25%	75%
L1	14	0	110.365	98.763	122.648
L3	14	1	103.519	95.838	110.168
L5	11	0	134.946	122.967	142.335

H = 13.419 with 2 degrees of freedom. (P = 0.001)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.001)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	16.084	3.533	0.001	Yes
L5 vs L1	12.331	2.754	0.018	Yes
L1 vs L3	3.753	0.877	1.000	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 15:20:50

Data source: 6I in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.372)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.539)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	96.344	14.190	3.792
L3	14	1	89.440	11.481	3.184
L5	11	0	118.773	7.573	2.283

Source of Variation	DF	SS	MS	F	P
Between Groups	2	5505.046	2752.523	20.185	<0.001
Residual	35	4772.751	136.364		
Total	37	10277.797			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 1.000

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	29.333	6.132	<0.001	Yes
L5 vs. L1	22.429	4.767	<0.001	Yes
L1 vs. L3	6.904	1.535	0.134	No

One Way Analysis of Variance

15 January 2019 15:22:49

Data source: 6S in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 15:22:49

Data source: 6S in Perinatal Tb.Th

Group	N	Missing	Median	25%	75%
L1	14	0	90.566	85.692	96.338
L3	14	1	87.113	80.572	96.626
L5	11	0	123.434	113.611	128.140

H = 17.814 with 2 degrees of freedom. (P = <0.001)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	18.042	3.963	<0.001	Yes
L5 vs L1	15.201	3.395	0.002	Yes
L1 vs L3	2.841	0.664	1.000	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 15:24:22

Data source: 7C in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 15:24:22

Data source: 7C in Perinatal Tb.Th

Group	N	Missing	Median	25%	75%
L1	14	0	98.740	80.748	108.686
L3	14	1	90.863	81.904	97.273
L5	11	0	122.244	114.474	130.321

H = 17.327 with 2 degrees of freedom. (P = <0.001)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	17.860	3.923	<0.001	Yes
L5 vs L1	14.877	3.322	0.003	Yes
L1 vs L3	2.984	0.697	1.000	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 15:23:35

Data source: 7I in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 15:23:35

Data source: 7I in Perinatal Tb.Th

Group	N	Missing	Median	25%	75%
L1	14	0	98.598	83.645	108.920
L3	14	1	85.280	80.076	89.919
L5	11	0	110.902	106.763	122.958

H = 19.634 with 2 degrees of freedom. (P = <0.001)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	20.126	4.421	<0.001	Yes
L5 vs L1	12.032	2.687	0.022	Yes
L1 vs L3	8.093	1.891	0.176	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 15:25:07

Data source: 7S in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.913)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.956)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	85.447	12.825	3.428
L3	14	1	81.197	12.166	3.374
L5	11	0	117.962	14.514	4.376

Source of Variation	DF	SS	MS	F	P
Between Groups	2	9457.701	4728.850	27.490	<0.001
Residual	35	6020.674	172.019		
Total	37	15478.375			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 1.000

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	36.765	6.842	<0.001	Yes
L5 vs. L1	32.515	6.153	<0.001	Yes
L1 vs. L3	4.250	0.841	0.406	No

One Way Analysis of Variance

15 January 2019 15:27:04

Data source: 8C in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 15:27:04

Data source: 8C in Perinatal Tb.Th

Group	N	Missing	Median	25%	75%
L1	14	0	129.724	114.359	152.537
L3	14	1	115.046	101.458	137.909
L5	11	0	169.601	152.153	182.700

H = 12.663 with 2 degrees of freedom. (P = 0.002)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.002)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	15.860	3.484	0.001	Yes
L5 vs L1	11.305	2.525	0.035	Yes
L1 vs L3	4.555	1.064	0.862	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 15:25:51

Data source: 8I in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 15:25:51

Data source: 8I in Perinatal Tb.Th

Group	N	Missing	Median	25%	75%
L1	14	0	105.416	89.959	114.755
L3	14	1	93.855	86.757	103.133
L5	11	0	124.898	119.565	137.916

H = 16.471 with 2 degrees of freedom. (P = <0.001)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	18.070	3.969	<0.001	Yes
L5 vs L1	12.955	2.893	0.011	Yes
L1 vs L3	5.115	1.195	0.696	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 15:27:49

Data source: 8S in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 15:27:49

Data source: 8S in Perinatal Tb.Th

Group	N	Missing	Median	25%	75%
L1	14	0	93.375	89.815	105.765
L3	14	1	93.046	82.763	98.661
L5	11	0	131.038	120.741	139.155

H = 20.898 with 2 degrees of freedom. (P = <0.001)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	18.979	4.169	<0.001	Yes
L5 vs L1	17.292	3.862	<0.001	Yes
L1 vs L3	1.687	0.394	1.000	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 15:30:13

Data source: 9C in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 15:30:13

Data source: 9C in Perinatal Tb.Th

Group	N	Missing	Median	25%	75%
L1	14	0	95.770	86.755	106.022
L3	14	1	89.955	79.855	96.578
L5	11	0	127.081	119.050	142.908

H = 16.903 with 2 degrees of freedom. (P = <0.001)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	17.755	3.900	<0.001	Yes
L5 vs L1	14.481	3.234	0.004	Yes
L1 vs L3	3.275	0.765	1.000	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

15 January 2019 15:29:26

Data source: 9I in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.899)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.887)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	14	0	94.008	14.167	3.786
L3	14	1	85.781	11.714	3.249
L5	11	0	116.418	10.506	3.168

Source of Variation	DF	SS	MS	F	P
Between Groups	2	5891.583	2945.791	19.237	<0.001
Residual	35	5359.530	153.129		
Total	37	11251.113			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 1.000

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	30.637	6.043	<0.001	Yes
L5 vs. L1	22.410	4.495	<0.001	Yes
L1 vs. L3	8.227	1.726	0.093	No

One Way Analysis of Variance

15 January 2019 15:31:01

Data source: 9S in Perinatal Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

15 January 2019 15:31:01

Data source: 9S in Perinatal Tb.Th

Group	N	Missing	Median	25%	75%
L1	14	0	83.893	77.258	94.665
L3	14	1	84.570	76.737	90.550
L5	11	0	119.095	103.741	122.191

H = 18.742 with 2 degrees of freedom. (P = <0.001)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L5 vs L3	17.266	3.792	<0.001	Yes
L5 vs L1	17.156	3.832	<0.001	Yes
L1 vs L3	0.110	0.0257	1.000	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

16 January 2019 15:40:34

Data source: 1C in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.382)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.694)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	18.751	4.754	1.503
L3	11	0	14.514	4.510	1.360
L5	13	8	17.556	2.754	1.231

Source of Variation	DF	SS	MS	F	P
Between Groups	2	98.268	49.134	2.585	0.097
Residual	23	437.189	19.008		
Total	25	535.457			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.097).

Power of performed test with alpha = 0.050: 0.301

The power of the performed test (0.301) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:39:15

Data source: 1I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.196)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.518)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	18.533	6.048	1.913
L3	11	0	15.054	4.502	1.357
L5	13	8	18.018	6.225	2.784

Source of Variation	DF	SS	MS	F	P
Between Groups	2	70.301	35.150	1.177	0.326
Residual	23	686.886	29.865		
Total	25	757.186			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.326).

Power of performed test with alpha = 0.050: 0.074

The power of the performed test (0.074) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:41:33

Data source: 1S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 15:41:33

Data source: 1S in 4wks 2y BVTV

Group	N	Missing	Median	25%	75%
L1	11	1	14.351	10.333	20.741
L3	11	0	13.320	9.066	20.746
L5	13	8	17.898	12.380	24.417

H = 2.164 with 2 degrees of freedom. (P = 0.339)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.339)

One Way Analysis of Variance

16 January 2019 15:44:19

Data source: 2C in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 15:44:19

Data source: 2C in 4wks 2y BVTV

Group	N	Missing	Median	25%	75%
L1	11	1	15.513	13.532	20.309
L3	11	0	12.946	11.868	17.781
L5	13	8	15.870	14.380	21.482

H = 3.935 with 2 degrees of freedom. (P = 0.140)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.140)

One Way Analysis of Variance

16 January 2019 15:43:24

Data source: 2I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 15:43:24

Data source: 2I in 4wks 2y BVTV

Group	N	Missing	Median	25%	75%
L1	11	1	17.687	12.929	21.613
L3	11	0	15.148	11.443	17.965
L5	13	8	16.574	14.581	25.748

H = 1.936 with 2 degrees of freedom. (P = 0.380)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.380)

One Way Analysis of Variance

16 January 2019 15:45:04

Data source: 2S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.079)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.296)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	14.610	5.125	1.621
L3	11	0	13.930	4.896	1.476
L5	13	8	19.165	7.385	3.303

Source of Variation	DF	SS	MS	F	P
Between Groups	2	99.850	49.925	1.654	0.213
Residual	23	694.228	30.184		
Total	25	794.078			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.213).

Power of performed test with alpha = 0.050: 0.146

The power of the performed test (0.146) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:46:30

Data source: 3C in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.719)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.905)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	19.127	5.271	1.667
L3	11	0	16.498	5.050	1.523
L5	13	8	18.951	4.948	2.213

Source of Variation	DF	SS	MS	F	P
Between Groups	2	42.034	21.017	0.802	0.461
Residual	23	602.933	26.214		
Total	25	644.967			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.461).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:45:47

Data source: 3I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.256)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.728)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	19.317	5.992	1.895
L3	11	0	16.722	5.638	1.700
L5	13	8	19.582	5.549	2.482

Source of Variation	DF	SS	MS	F	P
Between Groups	2	45.929	22.964	0.691	0.511
Residual	23	764.147	33.224		
Total	25	810.076			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.511).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:47:21

Data source: 3S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 15:47:21

Data source: 3S in 4wks 2y BVTV

Group	N	Missing	Median	25%	75%
L1	11	1	15.472	11.954	17.938
L3	11	0	12.941	10.758	16.191
L5	13	8	20.588	12.301	30.216

H = 2.696 with 2 degrees of freedom. (P = 0.260)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.260)

One Way Analysis of Variance

16 January 2019 15:48:59

Data source: 4C in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.854)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.966)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	12.167	1.312	0.415
L3	11	0	10.650	1.185	0.357
L5	13	8	14.268	1.029	0.460

Source of Variation	DF	SS	MS	F	P
Between Groups	2	45.930	22.965	15.638	<0.001
Residual	23	33.776	1.469		
Total	25	79.707			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 0.997

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	3.619	5.536	<0.001	Yes
L5 vs. L1	2.101	3.165	0.009	Yes
L1 vs. L3	1.518	2.866	0.009	Yes

One Way Analysis of Variance

16 January 2019 15:48:10

Data source: 4I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.172)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.718)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	15.192	3.206	1.014
L3	11	0	13.097	3.131	0.944
L5	13	8	15.525	2.581	1.154

Source of Variation	DF	SS	MS	F	P
Between Groups	2	31.251	15.625	1.655	0.213
Residual	23	217.190	9.443		
Total	25	248.441			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.213).

Power of performed test with alpha = 0.050: 0.146

The power of the performed test (0.146) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:50:10

Data source: 4S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.247)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.939)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	12.099	2.334	0.738
L3	11	0	11.483	2.018	0.609
L5	13	8	15.641	2.079	0.930

Source of Variation	DF	SS	MS	F	P
Between Groups	2	62.304	31.152	6.693	0.005
Residual	23	107.053	4.654		
Total	25	169.356			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.005).

Power of performed test with alpha = 0.050: 0.814

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	4.158	3.573	0.005	Yes
L5 vs. L1	3.542	2.997	0.013	Yes
L1 vs. L3	0.616	0.653	0.520	No

One Way Analysis of Variance

16 January 2019 15:51:53

Data source: 5C in 4wks 2y BTVV

Normality Test (Shapiro-Wilk): Passed (P = 0.157)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.411)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	12.174	1.248	0.395
L3	11	0	11.091	1.529	0.461
L5	13	8	13.725	1.809	0.809

Source of Variation	DF	SS	MS	F	P
Between Groups	2	24.267	12.134	5.530	0.011
Residual	23	50.466	2.194		
Total	25	74.734			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.011).

Power of performed test with alpha = 0.050: 0.714

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	2.634	3.297	0.009	Yes
L5 vs. L1	1.552	1.913	0.132	No
L1 vs. L3	1.083	1.673	0.108	No

One Way Analysis of Variance

16 January 2019 15:50:59

Data source: 5I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.231)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.795)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	14.174	2.433	0.769
L3	11	0	12.589	2.156	0.650
L5	13	8	15.076	2.082	0.931

Source of Variation	DF	SS	MS	F	P
Between Groups	2	25.259	12.629	2.481	0.106
Residual	23	117.093	5.091		
Total	25	142.352			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.106).

Power of performed test with alpha = 0.050: 0.283

The power of the performed test (0.283) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:52:38

Data source: 5S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.856)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.282)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	11.380	2.283	0.722
L3	11	0	10.341	1.338	0.404
L5	13	8	14.551	2.938	1.314

Source of Variation	DF	SS	MS	F	P
Between Groups	2	61.397	30.699	7.108	0.004
Residual	23	99.339	4.319		
Total	25	160.737			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.004).

Power of performed test with alpha = 0.050: 0.842

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	4.210	3.756	0.003	Yes
L5 vs. L1	3.171	2.786	0.021	Yes
L1 vs. L3	1.039	1.144	0.264	No

One Way Analysis of Variance

16 January 2019 15:54:07

Data source: 6C in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.839)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.598)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	12.923	1.777	0.562
L3	11	0	10.991	1.248	0.376
L5	13	8	13.824	1.249	0.558

Source of Variation	DF	SS	MS	F	P
Between Groups	2	34.326	17.163	7.861	0.003
Residual	23	50.217	2.183		
Total	25	84.543			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.003).

Power of performed test with alpha = 0.050: 0.883

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	2.833	3.555	0.005	Yes
L1 vs. L3	1.931	2.992	0.013	Yes
L5 vs. L1	0.902	1.114	0.277	No

One Way Analysis of Variance

16 January 2019 15:53:23

Data source: 6I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.138)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.958)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	15.584	3.395	1.074
L3	11	0	13.347	3.087	0.931
L5	13	8	15.895	2.909	1.301

Source of Variation	DF	SS	MS	F	P
Between Groups	2	35.084	17.542	1.732	0.199
Residual	23	232.890	10.126		
Total	25	267.974			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.199).

Power of performed test with alpha = 0.050: 0.159

The power of the performed test (0.159) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:54:55

Data source: 6S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.179)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.409)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	12.855	2.768	0.875
L3	11	0	11.614	2.452	0.739
L5	13	8	16.517	4.104	1.835

Source of Variation	DF	SS	MS	F	P
Between Groups	2	83.173	41.587	4.869	0.017
Residual	23	196.458	8.542		
Total	25	279.631			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.017).

Power of performed test with alpha = 0.050: 0.641

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	4.903	3.111	0.015	Yes
L5 vs. L1	3.662	2.288	0.062	No
L1 vs. L3	1.241	0.972	0.341	No

One Way Analysis of Variance

16 January 2019 15:56:30

Data source: 7C in 4wks 2y BTVV

Normality Test (Shapiro-Wilk): Passed (P = 0.224)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.822)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	14.794	3.379	1.068
L3	11	0	12.959	2.942	0.887
L5	13	8	16.732	3.157	1.412

Source of Variation	DF	SS	MS	F	P
Between Groups	2	51.603	25.802	2.589	0.097
Residual	23	229.182	9.964		
Total	25	280.786			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.097).

Power of performed test with alpha = 0.050: 0.302

The power of the performed test (0.302) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:55:40

Data source: 7I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.056)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.658)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	17.463	4.835	1.529
L3	11	0	15.411	4.050	1.221
L5	13	8	19.198	7.764	3.472

Source of Variation	DF	SS	MS	F	P
Between Groups	2	53.933	26.967	1.008	0.381
Residual	23	615.525	26.762		
Total	25	669.458			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.381).

Power of performed test with alpha = 0.050: 0.051

The power of the performed test (0.051) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:57:12

Data source: 7S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.137)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.963)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	14.301	3.441	1.088
L3	11	0	12.551	3.186	0.961
L5	13	8	16.511	2.714	1.214

Source of Variation	DF	SS	MS	F	P
Between Groups	2	55.528	27.764	2.689	0.089
Residual	23	237.490	10.326		
Total	25	293.018			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.089).

Power of performed test with alpha = 0.050: 0.318

The power of the performed test (0.318) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:59:03

Data source: 8C in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.178)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.922)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	13.324	3.304	1.045
L3	11	0	12.010	2.823	0.851
L5	13	8	13.204	1.984	0.887

Source of Variation	DF	SS	MS	F	P
Between Groups	2	10.356	5.178	0.615	0.549
Residual	23	193.705	8.422		
Total	25	204.061			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.549).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:58:05

Data source: 8I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.117)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.951)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	15.305	3.066	0.970
L3	11	0	13.323	2.763	0.833
L5	13	8	15.994	2.978	1.332

Source of Variation	DF	SS	MS	F	P
Between Groups	2	32.612	16.306	1.909	0.171
Residual	23	196.446	8.541		
Total	25	229.057			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.171).

Power of performed test with alpha = 0.050: 0.187

The power of the performed test (0.187) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:59:47

Data source: 8S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.147)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.277)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	12.166	2.750	0.870
L3	11	0	11.309	2.258	0.681
L5	13	8	14.580	3.279	1.467

Source of Variation	DF	SS	MS	F	P
Between Groups	2	36.939	18.470	2.621	0.094
Residual	23	162.075	7.047		
Total	25	199.014			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.094).

Power of performed test with alpha = 0.050: 0.307

The power of the performed test (0.307) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 16:01:29

Data source: 9C in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 16:01:29

Data source: 9C in 4wks 2y BVTV

Group	N	Missing	Median	25%	75%
L1	11	1	14.087	13.394	16.764
L3	11	0	11.954	10.652	15.101
L5	13	8	15.357	13.582	17.867

H = 4.867 with 2 degrees of freedom. (P = 0.088)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.088)

One Way Analysis of Variance

16 January 2019 16:00:38

Data source: 9I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 16:00:38

Data source: 9I in 4wks 2y BVTV

Group	N	Missing	Median	25%	75%
L1	11	1	17.287	14.759	23.810
L3	11	0	13.661	12.159	18.384
L5	13	8	16.070	14.919	22.665

H = 4.002 with 2 degrees of freedom. (P = 0.135)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.135)

One Way Analysis of Variance

16 January 2019 16:02:16

Data source: 9S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.164)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.827)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	14.649	3.605	1.140
L3	11	0	12.711	3.220	0.971
L5	13	8	16.762	3.557	1.591

Source of Variation	DF	SS	MS	F	P
Between Groups	2	59.202	29.601	2.510	0.103
Residual	23	271.209	11.792		
Total	25	330.411			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.103).

Power of performed test with alpha = 0.050: 0.288

The power of the performed test (0.288) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:01:47

Data source: 1C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.173)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.051)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.422	0.104	0.0330
L3	11	0	0.503	0.0798	0.0240
L5	13	8	0.464	0.0402	0.0180

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0339	0.0170	2.318	0.121
Residual	23	0.168	0.00732		
Total	25	0.202			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.121).

Power of performed test with alpha = 0.050: 0.256

The power of the performed test (0.256) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:00:22

Data source: 1I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.498)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.722)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.451	0.0619	0.0196
L3	11	0	0.451	0.0842	0.0254
L5	13	8	0.369	0.0829	0.0371

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0273	0.0136	2.360	0.117
Residual	23	0.133	0.00578		
Total	25	0.160			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.117).

Power of performed test with alpha = 0.050: 0.263

The power of the performed test (0.263) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:02:32

Data source: 1S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.894)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.749)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.384	0.0731	0.0231
L3	11	0	0.415	0.0671	0.0202
L5	13	8	0.404	0.0879	0.0393

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00527	0.00264	0.489	0.620
Residual	23	0.124	0.00539		
Total	25	0.129			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.620).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:04:42

Data source: 2C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.160)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.701)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.306	0.119	0.0376
L3	11	0	0.352	0.0951	0.0287
L5	13	8	0.282	0.0963	0.0431

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0203	0.0101	0.916	0.414
Residual	23	0.255	0.0111		
Total	25	0.275			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.414).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:03:34

Data source: 2I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.084)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.523)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.367	0.0907	0.0287
L3	11	0	0.374	0.0698	0.0210
L5	13	8	0.305	0.102	0.0455

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0174	0.00870	1.219	0.314
Residual	23	0.164	0.00714		
Total	25	0.182			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.314).

Power of performed test with alpha = 0.050: 0.080

The power of the performed test (0.080) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:05:34

Data source: 2S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.089)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.540)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.347	0.0687	0.0217
L3	11	0	0.356	0.0522	0.0157
L5	13	8	0.392	0.0696	0.0311

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00694	0.00347	0.896	0.422
Residual	23	0.0891	0.00387		
Total	25	0.0960			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.422).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:07:14

Data source: 3C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.330)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.159)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.428	0.0869	0.0275
L3	11	0	0.480	0.0862	0.0260
L5	13	8	0.463	0.0422	0.0189

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0148	0.00738	1.136	0.338
Residual	23	0.149	0.00649		
Total	25	0.164			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.338).

Power of performed test with alpha = 0.050: 0.068

The power of the performed test (0.068) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:06:24

Data source: 3I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.888)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.983)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.396	0.0899	0.0284
L3	11	0	0.459	0.0821	0.0248
L5	13	8	0.352	0.0784	0.0351

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0450	0.0225	3.140	0.062
Residual	23	0.165	0.00716		
Total	25	0.210			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.062).

Power of performed test with alpha = 0.050: 0.393

The power of the performed test (0.393) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:08:41

Data source: 3S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.736)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.921)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.404	0.0746	0.0236
L3	11	0	0.402	0.0862	0.0260
L5	13	8	0.410	0.0653	0.0292

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000183	0.0000914	0.0149	0.985
Residual	23	0.141	0.00615		
Total	25	0.142			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.985).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:12:40

Data source: 4C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 16:12:40

Data source: 4C in 4wks 2y DA

Group	N	Missing	Median	25%	75%
L1	11	1	0.414	0.355	0.434
L3	11	0	0.457	0.428	0.469
L5	13	8	0.399	0.368	0.407

H = 9.959 with 2 degrees of freedom. (P = 0.007)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.007)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L3 vs L5	11.927	2.891	0.012	Yes
L3 vs L1	7.627	2.282	0.067	No
L1 vs L5	4.300	1.026	0.914	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

21 January 2019 16:10:12

Data source: 4I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.250)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 16:10:12

Data source: 4I in 4wks 2y DA

Group	N	Missing	Median	25%	75%
L1	11	1	0.249	0.154	0.375
L3	11	0	0.253	0.145	0.371
L5	13	8	0.268	0.244	0.311

H = 0.138 with 2 degrees of freedom. (P = 0.933)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.933)

One Way Analysis of Variance

21 January 2019 16:13:30

Data source: 4S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.588)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.763)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.391	0.0838	0.0265
L3	11	0	0.365	0.101	0.0305
L5	13	8	0.311	0.0877	0.0392

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0211	0.0105	1.235	0.310
Residual	23	0.196	0.00853		
Total	25	0.217			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.310).

Power of performed test with alpha = 0.050: 0.082

The power of the performed test (0.082) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:16:33

Data source: 5C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.955)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.796)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.352	0.0565	0.0179
L3	11	0	0.392	0.0427	0.0129
L5	13	8	0.361	0.0541	0.0242

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00898	0.00449	1.762	0.194
Residual	23	0.0586	0.00255		
Total	25	0.0676			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.194).

Power of performed test with alpha = 0.050: 0.163

The power of the performed test (0.163) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:14:18

Data source: 5I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.427)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 16:14:18

Data source: 5I in 4wks 2y DA

Group	N	Missing	Median	25%	75%
L1	11	1	0.276	0.238	0.325
L3	11	0	0.306	0.229	0.389
L5	13	8	0.178	0.129	0.221

H = 8.415 with 2 degrees of freedom. (P = 0.015)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.015)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L3 vs L5	11.309	2.741	0.018	Yes
L3 vs L1	0.609	0.182	1.000	No
L1 vs L5	10.700	2.554	0.032	Yes

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

21 January 2019 16:19:40

Data source: 5S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.574)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.451)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.266	0.0857	0.0271
L3	11	0	0.246	0.105	0.0318
L5	13	8	0.287	0.116	0.0517

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00603	0.00301	0.300	0.743
Residual	23	0.231	0.0100		
Total	25	0.237			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.743).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:24:37

Data source: 6C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.651)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.797)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.390	0.0570	0.0180
L3	11	0	0.417	0.0567	0.0171
L5	13	8	0.395	0.0462	0.0206

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00420	0.00210	0.690	0.512
Residual	23	0.0699	0.00304		
Total	25	0.0741			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.512).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:22:09

Data source: 6I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.541)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.601)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.265	0.116	0.0368
L3	11	0	0.282	0.131	0.0396
L5	13	8	0.293	0.0789	0.0353

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00303	0.00151	0.109	0.897
Residual	23	0.319	0.0139		
Total	25	0.322			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.897).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:25:52

Data source: 6S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.850)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.250)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.382	0.0516	0.0163
L3	11	0	0.356	0.0872	0.0263
L5	13	8	0.317	0.0665	0.0297

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0141	0.00707	1.382	0.271
Residual	23	0.118	0.00512		
Total	25	0.132			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.271).

Power of performed test with alpha = 0.050: 0.104

The power of the performed test (0.104) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:28:35

Data source: 7C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.518)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.677)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.319	0.0949	0.0300
L3	11	0	0.338	0.0713	0.0215
L5	13	8	0.319	0.103	0.0460

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00232	0.00116	0.153	0.859
Residual	23	0.174	0.00758		
Total	25	0.177			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.859).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:27:31

Data source: 7I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.719)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.117)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.286	0.0905	0.0286
L3	11	0	0.303	0.0566	0.0171
L5	13	8	0.292	0.0896	0.0401

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00149	0.000745	0.124	0.884
Residual	23	0.138	0.00599		
Total	25	0.139			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.884).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:29:21

Data source: 7S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.238)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.277)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.281	0.0795	0.0251
L3	11	0	0.325	0.0942	0.0284
L5	13	8	0.288	0.125	0.0557

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0110	0.00551	0.610	0.552
Residual	23	0.208	0.00903		
Total	25	0.219			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.552).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:31:37

Data source: 8C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.649)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.305)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.261	0.0507	0.0160
L3	11	0	0.326	0.0937	0.0282
L5	13	8	0.324	0.0693	0.0310

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0253	0.0127	2.239	0.129
Residual	23	0.130	0.00566		
Total	25	0.155			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.129).

Power of performed test with alpha = 0.050: 0.242

The power of the performed test (0.242) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:30:49

Data source: 8I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.784)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.416)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.339	0.0772	0.0244
L3	11	0	0.234	0.0972	0.0293
L5	13	8	0.278	0.0730	0.0327

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0580	0.0290	3.936	0.034
Residual	23	0.169	0.00737		
Total	25	0.228			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.034).

Power of performed test with alpha = 0.050: 0.516

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L1 vs. L3	0.105	2.802	0.030	Yes
L1 vs. L5	0.0613	1.305	0.368	No
L5 vs. L3	0.0437	0.945	0.355	No

One Way Analysis of Variance

21 January 2019 16:33:13

Data source: 8S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.597)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.375)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.234	0.0771	0.0244
L3	11	0	0.271	0.105	0.0317
L5	13	8	0.303	0.0437	0.0196

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0173	0.00867	1.162	0.330
Residual	23	0.171	0.00746		
Total	25	0.189			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.330).

Power of performed test with alpha = 0.050: 0.072

The power of the performed test (0.072) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:35:22

Data source: 9C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.525)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.108)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.326	0.0890	0.0281
L3	11	0	0.355	0.0671	0.0202
L5	13	8	0.333	0.0214	0.00958

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00468	0.00234	0.456	0.640
Residual	23	0.118	0.00513		
Total	25	0.123			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.640).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:34:22

Data source: 9I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.755)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.148)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.289	0.123	0.0389
L3	11	0	0.266	0.0710	0.0214
L5	13	8	0.309	0.0540	0.0241

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00674	0.00337	0.391	0.681
Residual	23	0.198	0.00862		
Total	25	0.205			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.681).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:36:04

Data source: 9S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.292)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.357)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.296	0.0762	0.0241
L3	11	0	0.336	0.109	0.0328
L5	13	8	0.307	0.0908	0.0406

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00874	0.00437	0.492	0.617
Residual	23	0.204	0.00887		
Total	25	0.213			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.617).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

18 January 2019 17:33:49

Data source: 1C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.687)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.876)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.327	0.302	0.0955
L3	11	0	1.469	0.283	0.0852
L5	13	8	1.384	0.299	0.134

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.108	0.0538	0.626	0.544
Residual	23	1.977	0.0860		
Total	25	2.085			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.544).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 16:09:43

Data source: 1I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.382)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.204)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.479	0.378	0.119
L3	11	0	1.596	0.226	0.0680
L5	13	8	1.453	0.318	0.142

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.102	0.0511	0.535	0.593
Residual	23	2.197	0.0955		
Total	25	2.300			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.593).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

18 January 2019 17:34:57

Data source: 1S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.200)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.631)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.700	0.395	0.125
L3	11	0	1.763	0.271	0.0818
L5	13	8	1.394	0.344	0.154

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.484	0.242	2.131	0.142
Residual	23	2.613	0.114		
Total	25	3.098			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.142).

Power of performed test with alpha = 0.050: 0.224

The power of the performed test (0.224) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

18 January 2019 17:37:16

Data source: 2C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.112)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.209)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.345	0.250	0.0790
L3	11	0	1.462	0.210	0.0634
L5	13	8	1.290	0.364	0.163

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.127	0.0637	0.956	0.399
Residual	23	1.533	0.0667		
Total	25	1.660			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.399).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

18 January 2019 17:36:00

Data source: 2I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

18 January 2019 17:36:00

Data source: 2I in 4wks 2y SMI

Group	N	Missing	Median	25%	75%
L1	11	1	1.420	1.187	1.691
L3	11	0	1.554	1.339	1.711
L5	13	8	1.377	0.875	1.575

H = 0.937 with 2 degrees of freedom. (P = 0.626)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.626)

One Way Analysis of Variance

18 January 2019 17:38:20

Data source: 2S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.257)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.183)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.660	0.311	0.0983
L3	11	0	1.655	0.279	0.0843
L5	13	8	1.271	0.481	0.215

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.603	0.301	2.693	0.089
Residual	23	2.574	0.112		
Total	25	3.177			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.089).

Power of performed test with alpha = 0.050: 0.319

The power of the performed test (0.319) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

18 January 2019 17:40:48

Data source: 3C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.091)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.645)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.252	0.306	0.0968
L3	11	0	1.408	0.279	0.0840
L5	13	8	1.339	0.338	0.151

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.129	0.0644	0.713	0.501
Residual	23	2.077	0.0903		
Total	25	2.206			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.501).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

18 January 2019 17:39:34

Data source: 3I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.150)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.974)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.457	0.298	0.0942
L3	11	0	1.506	0.305	0.0921
L5	13	8	1.374	0.296	0.133

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0603	0.0301	0.333	0.720
Residual	23	2.082	0.0905		
Total	25	2.142			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.720).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

18 January 2019 17:42:22

Data source: 3S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.148)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.173)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.606	0.370	0.117
L3	11	0	1.720	0.313	0.0945
L5	13	8	1.236	0.499	0.223

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.814	0.407	2.916	0.074
Residual	23	3.210	0.140		
Total	25	4.024			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.074).

Power of performed test with alpha = 0.050: 0.356

The power of the performed test (0.356) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:41:12

Data source: 4C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.115)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.772)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.543	0.170	0.0536
L3	11	0	1.619	0.148	0.0447
L5	13	8	1.451	0.190	0.0851

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.100	0.0501	1.849	0.180
Residual	23	0.623	0.0271		
Total	25	0.723			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.180).

Power of performed test with alpha = 0.050: 0.178

The power of the performed test (0.178) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:40:25

Data source: 4I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.332)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.875)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.560	0.204	0.0646
L3	11	0	1.648	0.190	0.0572
L5	13	8	1.456	0.202	0.0901

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.131	0.0656	1.683	0.208
Residual	23	0.897	0.0390		
Total	25	1.029			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.208).

Power of performed test with alpha = 0.050: 0.151

The power of the performed test (0.151) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:42:00

Data source: 4S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.760)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.343)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.715	0.171	0.0539
L3	11	0	1.719	0.135	0.0407
L5	13	8	1.493	0.256	0.115

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.202	0.101	3.289	0.055
Residual	23	0.706	0.0307		
Total	25	0.908			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.055).

Power of performed test with alpha = 0.050: 0.417

The power of the performed test (0.417) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:43:40

Data source: 5C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.951)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.582)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.644	0.100	0.0317
L3	11	0	1.656	0.107	0.0323
L5	13	8	1.493	0.113	0.0507

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.101	0.0503	4.509	0.022
Residual	23	0.257	0.0112		
Total	25	0.357			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.022).

Power of performed test with alpha = 0.050: 0.595

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.163	2.861	0.026	Yes
L1 vs. L5	0.151	2.608	0.031	Yes
L3 vs. L1	0.0121	0.262	0.796	No

One Way Analysis of Variance

19 January 2019 10:43:00

Data source: 5I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.233)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.339)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.624	0.128	0.0405
L3	11	0	1.671	0.118	0.0355
L5	13	8	1.507	0.163	0.0729

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0919	0.0459	2.692	0.089
Residual	23	0.392	0.0171		
Total	25	0.484			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.089).

Power of performed test with alpha = 0.050: 0.319

The power of the performed test (0.319) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:45:40

Data source: 5S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.361)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.238)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.780	0.120	0.0380
L3	11	0	1.803	0.130	0.0393
L5	13	8	1.531	0.232	0.104

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.277	0.139	6.184	0.007
Residual	23	0.515	0.0224		
Total	25	0.793			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.007).

Power of performed test with alpha = 0.050: 0.774

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.272	3.365	0.008	Yes
L1 vs. L5	0.248	3.030	0.012	Yes
L3 vs. L1	0.0232	0.355	0.726	No

One Way Analysis of Variance

19 January 2019 10:47:22

Data source: 6C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.246)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.502)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.533	0.136	0.0431
L3	11	0	1.623	0.141	0.0425
L5	13	8	1.431	0.187	0.0835

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.132	0.0662	3.013	0.069
Residual	23	0.505	0.0220		
Total	25	0.638			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.069).

Power of performed test with alpha = 0.050: 0.372

The power of the performed test (0.372) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:46:23

Data source: 6I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.190)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.841)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.513	0.204	0.0644
L3	11	0	1.634	0.185	0.0559
L5	13	8	1.446	0.206	0.0921

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.144	0.0722	1.873	0.176
Residual	23	0.887	0.0386		
Total	25	1.031			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.176).

Power of performed test with alpha = 0.050: 0.182

The power of the performed test (0.182) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:48:02

Data source: 6S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.792)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.250)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.656	0.176	0.0556
L3	11	0	1.708	0.130	0.0391
L5	13	8	1.393	0.270	0.121

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.356	0.178	5.543	0.011
Residual	23	0.738	0.0321		
Total	25	1.094			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.011).

Power of performed test with alpha = 0.050: 0.715

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.316	3.266	0.010	Yes
L1 vs. L5	0.263	2.686	0.026	Yes
L3 vs. L1	0.0521	0.666	0.512	No

One Way Analysis of Variance

19 January 2019 10:51:03

Data source: 7C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.270)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.569)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.480	0.220	0.0696
L3	11	0	1.563	0.173	0.0523
L5	13	8	1.351	0.244	0.109

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.156	0.0780	1.841	0.181
Residual	23	0.974	0.0424		
Total	25	1.130			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.181).

Power of performed test with alpha = 0.050: 0.176

The power of the performed test (0.176) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:49:35

Data source: 7I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.053)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.115)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.556	0.274	0.0867
L3	11	0	1.623	0.224	0.0676
L5	13	8	1.379	0.515	0.230

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.205	0.103	1.054	0.365
Residual	23	2.239	0.0973		
Total	25	2.444			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.365).

Power of performed test with alpha = 0.050: 0.057

The power of the performed test (0.057) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:51:48

Data source: 7S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.191)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.993)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.656	0.224	0.0707
L3	11	0	1.712	0.210	0.0634
L5	13	8	1.498	0.166	0.0743

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.157	0.0786	1.803	0.187
Residual	23	1.003	0.0436		
Total	25	1.160			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.187).

Power of performed test with alpha = 0.050: 0.170

The power of the performed test (0.170) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:53:01

Data source: 8C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

19 January 2019 10:53:01

Data source: 8C in 4wks 2y SMI

Group	N	Missing	Median	25%	75%
L1	11	1	1.332	0.941	1.399
L3	11	0	1.215	1.175	1.347
L5	13	8	1.261	1.146	1.497

H = 0.209 with 2 degrees of freedom. (P = 0.901)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.901)

One Way Analysis of Variance

19 January 2019 10:52:32

Data source: 8I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.482)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.628)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.589	0.179	0.0565
L3	11	0	1.646	0.154	0.0464
L5	13	8	1.421	0.210	0.0938

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.174	0.0869	2.858	0.078
Residual	23	0.700	0.0304		
Total	25	0.873			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.078).

Power of performed test with alpha = 0.050: 0.346

The power of the performed test (0.346) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:54:30

Data source: 8S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.222)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.414)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.690	0.234	0.0741
L3	11	0	1.678	0.166	0.0500
L5	13	8	1.501	0.266	0.119

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.135	0.0675	1.476	0.249
Residual	23	1.052	0.0457		
Total	25	1.186			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.249).

Power of performed test with alpha = 0.050: 0.118

The power of the performed test (0.118) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:57:34

Data source: 9C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.864)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.352)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.455	0.138	0.0436
L3	11	0	1.569	0.180	0.0542
L5	13	8	1.437	0.221	0.0987

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0926	0.0463	1.544	0.235
Residual	23	0.689	0.0300		
Total	25	0.782			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.235).

Power of performed test with alpha = 0.050: 0.129

The power of the performed test (0.129) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:55:13

Data source: 9I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.062)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.202)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.511	0.231	0.0731
L3	11	0	1.643	0.198	0.0598
L5	13	8	1.395	0.401	0.179

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.230	0.115	1.740	0.198
Residual	23	1.517	0.0660		
Total	25	1.747			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.198).

Power of performed test with alpha = 0.050: 0.160

The power of the performed test (0.160) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:58:20

Data source: 9S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.663)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.258)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.588	0.192	0.0608
L3	11	0	1.689	0.173	0.0522
L5	13	8	1.522	0.279	0.125

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.111	0.0555	1.353	0.278
Residual	23	0.944	0.0410		
Total	25	1.055			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.278).

Power of performed test with alpha = 0.050: 0.100

The power of the performed test (0.100) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:44:07

Data source: 1C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.221)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.290)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.00135	0.000164	0.0000518
L3	11	0	0.00116	0.000186	0.0000560
L5	13	8	0.00131	0.000338	0.000151

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000199	0.0000000994	2.189	0.135
Residual	23	0.00000104	0.0000000454		
Total	25	0.00000124			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.135).

Power of performed test with alpha = 0.050: 0.234

The power of the performed test (0.234) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:43:04

Data source: 1I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 12:43:04

Data source: 1I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00158	0.00136	0.00181
L3	11	0	0.00130	0.00120	0.00156
L5	13	8	0.00141	0.00130	0.00238

H = 3.897 with 2 degrees of freedom. (P = 0.142)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.142)

One Way Analysis of Variance

21 January 2019 12:45:01

Data source: 1S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 12:45:01

Data source: 1S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00147	0.00129	0.00209
L3	11	0	0.00135	0.00105	0.00171
L5	13	8	0.00151	0.00126	0.00214

H = 1.635 with 2 degrees of freedom. (P = 0.442)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.442)

One Way Analysis of Variance

21 January 2019 12:55:15

Data source: 2C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 12:55:15

Data source: 2C in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00114	0.00107	0.00118
L3	11	0	0.000990	0.000960	0.00114
L5	13	8	0.00105	0.000990	0.00130

H = 4.481 with 2 degrees of freedom. (P = 0.106)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.106)

One Way Analysis of Variance

21 January 2019 12:54:14

Data source: 2I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 12:54:14

Data source: 2I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00143	0.00128	0.00159
L3	11	0	0.00137	0.00115	0.00156
L5	13	8	0.00139	0.00131	0.00228

H = 1.250 with 2 degrees of freedom. (P = 0.535)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.535)

One Way Analysis of Variance

21 January 2019 13:02:47

Data source: 2S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:02:47

Data source: 2S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00146	0.00120	0.00170
L3	11	0	0.00137	0.00113	0.00165
L5	13	8	0.00144	0.00125	0.00232

H = 0.389 with 2 degrees of freedom. (P = 0.823)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.823)

One Way Analysis of Variance

21 January 2019 13:04:36

Data source: 3C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:04:36

Data source: 3C in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00129	0.00122	0.00147
L3	11	0	0.00121	0.00103	0.00136
L5	13	8	0.00122	0.00115	0.00160

H = 2.126 with 2 degrees of freedom. (P = 0.345)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.345)

One Way Analysis of Variance

21 January 2019 13:03:52

Data source: 3I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:03:52

Data source: 3I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00161	0.00141	0.00182
L3	11	0	0.00147	0.00125	0.00168
L5	13	8	0.00147	0.00142	0.00233

H = 1.637 with 2 degrees of freedom. (P = 0.441)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.441)

One Way Analysis of Variance

21 January 2019 13:05:27

Data source: 3S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:05:27

Data source: 3S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00157	0.00135	0.00195
L3	11	0	0.00138	0.00128	0.00158
L5	13	8	0.00166	0.00127	0.00264

H = 2.039 with 2 degrees of freedom. (P = 0.361)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.361)

One Way Analysis of Variance

21 January 2019 13:07:11

Data source: 4C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:07:11

Data source: 4C in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00103	0.000970	0.00130
L3	11	0	0.00105	0.000900	0.00116
L5	13	8	0.00120	0.00118	0.00152

H = 5.191 with 2 degrees of freedom. (P = 0.075)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.075)

One Way Analysis of Variance

21 January 2019 13:06:26

Data source: 4I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:06:26

Data source: 4I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00147	0.00121	0.00167
L3	11	0	0.00131	0.00110	0.00154
L5	13	8	0.00139	0.00130	0.00197

H = 1.785 with 2 degrees of freedom. (P = 0.410)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.410)

One Way Analysis of Variance

21 January 2019 13:07:59

Data source: 4S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:07:59

Data source: 4S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00127	0.00105	0.00152
L3	11	0	0.00119	0.00109	0.00141
L5	13	8	0.00142	0.00130	0.00170

H = 2.613 with 2 degrees of freedom. (P = 0.271)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.271)

One Way Analysis of Variance

21 January 2019 13:10:36

Data source: 5C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:10:36

Data source: 5C in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00103	0.000965	0.00119
L3	11	0	0.000980	0.000910	0.00117
L5	13	8	0.00114	0.00108	0.00133

H = 5.165 with 2 degrees of freedom. (P = 0.076)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.076)

One Way Analysis of Variance

21 January 2019 13:09:03

Data source: 5I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:09:03

Data source: 5I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00132	0.00119	0.00159
L3	11	0	0.00121	0.00111	0.00146
L5	13	8	0.00135	0.00118	0.00176

H = 1.491 with 2 degrees of freedom. (P = 0.475)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.475)

One Way Analysis of Variance

21 January 2019 13:12:27

Data source: 5S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:12:27

Data source: 5S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00109	0.00106	0.00152
L3	11	0	0.00117	0.001000	0.00127
L5	13	8	0.00132	0.00117	0.00165

H = 3.149 with 2 degrees of freedom. (P = 0.207)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.207)

One Way Analysis of Variance

21 January 2019 13:13:57

Data source: 6C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:13:57

Data source: 6C in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00113	0.00103	0.00129
L3	11	0	0.00103	0.000940	0.00118
L5	13	8	0.00121	0.00118	0.00148

H = 5.255 with 2 degrees of freedom. (P = 0.072)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.072)

One Way Analysis of Variance

21 January 2019 13:13:08

Data source: 6I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:13:08

Data source: 6I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00143	0.00133	0.00165
L3	11	0	0.00130	0.00112	0.00155
L5	13	8	0.00139	0.00132	0.00196

H = 3.424 with 2 degrees of freedom. (P = 0.181)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.181)

One Way Analysis of Variance

21 January 2019 13:14:42

Data source: 6S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:14:42

Data source: 6S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00124	0.00114	0.00159
L3	11	0	0.00111	0.00109	0.00152
L5	13	8	0.00149	0.00121	0.00193

H = 2.395 with 2 degrees of freedom. (P = 0.302)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.302)

One Way Analysis of Variance

21 January 2019 13:16:39

Data source: 7C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:16:39

Data source: 7C in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00136	0.00116	0.00164
L3	11	0	0.00116	0.00109	0.00153
L5	13	8	0.00137	0.00124	0.00195

H = 1.737 with 2 degrees of freedom. (P = 0.420)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.420)

One Way Analysis of Variance

21 January 2019 13:15:53

Data source: 7I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:15:53

Data source: 7I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00172	0.00136	0.00200
L3	11	0	0.00144	0.00128	0.00184
L5	13	8	0.00145	0.00129	0.00255

H = 0.922 with 2 degrees of freedom. (P = 0.631)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.631)

One Way Analysis of Variance

21 January 2019 13:17:19

Data source: 7S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:17:19

Data source: 7S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00143	0.00120	0.00171
L3	11	0	0.00126	0.00111	0.00167
L5	13	8	0.00150	0.00138	0.00201

H = 2.217 with 2 degrees of freedom. (P = 0.330)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.330)

One Way Analysis of Variance

21 January 2019 13:18:58

Data source: 8C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:18:58

Data source: 8C in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.000935	0.000828	0.00117
L3	11	0	0.000830	0.000780	0.00118
L5	13	8	0.000830	0.000715	0.00109

H = 1.753 with 2 degrees of freedom. (P = 0.416)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.416)

One Way Analysis of Variance

21 January 2019 13:18:05

Data source: 8I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:18:05

Data source: 8I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00151	0.00136	0.00164
L3	11	0	0.00129	0.00112	0.00161
L5	13	8	0.00129	0.00113	0.00211

H = 1.273 with 2 degrees of freedom. (P = 0.529)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.529)

One Way Analysis of Variance

21 January 2019 13:19:46

Data source: 8S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:19:46

Data source: 8S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00101	0.000908	0.00126
L3	11	0	0.00102	0.000910	0.00127
L5	13	8	0.00132	0.00111	0.00173

H = 2.979 with 2 degrees of freedom. (P = 0.225)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.225)

One Way Analysis of Variance

21 January 2019 13:21:28

Data source: 9C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:21:28

Data source: 9C in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00134	0.00130	0.00164
L3	11	0	0.00121	0.00104	0.00150
L5	13	8	0.00128	0.00120	0.00170

H = 3.070 with 2 degrees of freedom. (P = 0.216)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.216)

One Way Analysis of Variance

21 January 2019 13:20:35

Data source: 9I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:20:35

Data source: 9I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00177	0.00151	0.00199
L3	11	0	0.00137	0.00128	0.00183
L5	13	8	0.00148	0.00134	0.00233

H = 2.464 with 2 degrees of freedom. (P = 0.292)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.292)

One Way Analysis of Variance

21 January 2019 13:22:10

Data source: 9S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:22:10

Data source: 9S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00147	0.00123	0.00178
L3	11	0	0.00130	0.00117	0.00156
L5	13	8	0.00151	0.00121	0.00209

H = 1.368 with 2 degrees of freedom. (P = 0.505)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.505)

One Way Analysis of Variance

21 January 2019 13:27:54

Data source: 1C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.419)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.899)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	536.751	103.251	32.651
L3	11	0	586.511	99.485	29.996
L5	13	8	588.957	128.367	57.407

Source of Variation	DF	SS	MS	F	P
Between Groups	2	15729.463	7864.731	0.694	0.510
Residual	23	260831.987	11340.521		
Total	25	276561.450			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.510).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 13:26:51

Data source: 1I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:26:51

Data source: 1I in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	439.883	373.959	494.498
L3	11	0	488.483	409.864	546.307
L5	13	8	507.601	376.953	528.183

H = 2.215 with 2 degrees of freedom. (P = 0.330)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.330)

One Way Analysis of Variance

21 January 2019 13:28:44

Data source: 1S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:28:44

Data source: 1S in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	418.428	348.959	453.520
L3	11	0	438.409	412.913	506.365
L5	13	8	486.207	368.949	555.130

H = 4.398 with 2 degrees of freedom. (P = 0.111)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.111)

One Way Analysis of Variance

21 January 2019 13:30:12

Data source: 2C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.829)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.258)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	632.524	70.972	22.443
L3	11	0	643.505	124.479	37.532
L5	13	8	698.664	162.176	72.527

Source of Variation	DF	SS	MS	F	P
Between Groups	2	15358.777	7679.388	0.578	0.569
Residual	23	305487.610	13282.070		
Total	25	320846.386			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.569).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 13:29:32

Data source: 2I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:29:32

Data source: 2I in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	481.719	406.404	516.652
L3	11	0	507.858	437.942	553.864
L5	13	8	529.756	376.797	543.002

H = 0.922 with 2 degrees of freedom. (P = 0.631)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.631)

One Way Analysis of Variance

21 January 2019 15:13:03

Data source: 2S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 15:13:03

Data source: 2S in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	447.905	373.983	486.974
L3	11	0	464.897	399.799	504.293
L5	13	8	507.735	360.890	555.974

H = 2.121 with 2 degrees of freedom. (P = 0.346)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.346)

One Way Analysis of Variance

21 January 2019 15:16:39

Data source: 3C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.676)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.780)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	561.291	103.945	32.870
L3	11	0	566.925	115.820	34.921
L5	13	8	575.705	125.903	56.306

Source of Variation	DF	SS	MS	F	P
Between Groups	2	696.966	348.483	0.0272	0.973
Residual	23	294790.271	12816.968		
Total	25	295487.237			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.973).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:14:54

Data source: 3I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 15:14:54

Data source: 3I in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	428.773	387.372	459.875
L3	11	0	487.388	398.431	522.515
L5	13	8	474.568	362.006	514.268

H = 3.041 with 2 degrees of freedom. (P = 0.219)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.219)

One Way Analysis of Variance

21 January 2019 15:18:34

Data source: 3S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 15:18:34

Data source: 3S in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	423.324	347.448	464.510
L3	11	0	448.789	403.737	501.688
L5	13	8	488.716	333.772	550.109

H = 2.415 with 2 degrees of freedom. (P = 0.299)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.299)

One Way Analysis of Variance

21 January 2019 15:23:27

Data source: 4C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 15:23:27

Data source: 4C in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	659.249	456.290	677.673
L3	11	0	648.348	485.609	677.458
L5	13	8	574.526	442.987	640.664

H = 1.152 with 2 degrees of freedom. (P = 0.562)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.562)

One Way Analysis of Variance

21 January 2019 15:20:14

Data source: 4I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.105)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.792)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	465.605	99.963	31.611
L3	11	0	491.319	94.677	28.546
L5	13	8	506.689	111.076	49.675

Source of Variation	DF	SS	MS	F	P
Between Groups	2	6542.980	3271.490	0.329	0.723
Residual	23	228921.920	9953.127		
Total	25	235464.900			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.723).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:25:20

Data source: 4S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.233)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.949)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	491.335	98.235	31.065
L3	11	0	517.580	102.984	31.051
L5	13	8	506.723	104.285	46.638

Source of Variation	DF	SS	MS	F	P
Between Groups	2	3618.890	1809.445	0.176	0.840
Residual	23	236410.057	10278.698		
Total	25	240028.947			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.840).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:30:11

Data source: 5C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 15:30:11

Data source: 5C in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	607.123	473.797	672.920
L3	11	0	640.865	494.084	660.879
L5	13	8	625.969	478.253	654.477

H = 0.468 with 2 degrees of freedom. (P = 0.791)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.791)

One Way Analysis of Variance

21 January 2019 15:26:04

Data source: 5I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.096)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.699)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	464.068	84.914	26.852
L3	11	0	494.499	87.592	26.410
L5	13	8	509.695	107.052	47.875

Source of Variation	DF	SS	MS	F	P
Between Groups	2	8409.956	4204.978	0.516	0.604
Residual	23	187457.011	8150.305		
Total	25	195866.967			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.604).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:30:50

Data source: 5S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 15:30:50

Data source: 5S in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	507.640	387.695	559.884
L3	11	0	539.999	430.591	573.595
L5	13	8	504.457	429.340	575.212

H = 0.971 with 2 degrees of freedom. (P = 0.615)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.615)

One Way Analysis of Variance

21 January 2019 15:33:27

Data source: 6C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 15:33:27

Data source: 6C in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	627.356	453.908	675.405
L3	11	0	630.646	473.050	693.604
L5	13	8	623.278	442.874	641.716

H = 1.094 with 2 degrees of freedom. (P = 0.579)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.579)

One Way Analysis of Variance

21 January 2019 15:32:37

Data source: 6I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.127)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.758)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	462.632	95.311	30.140
L3	11	0	495.371	106.448	32.095
L5	13	8	496.670	114.844	51.360

Source of Variation	DF	SS	MS	F	P
Between Groups	2	6766.493	3383.246	0.314	0.734
Residual	23	247826.864	10775.081		
Total	25	254593.356			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.734).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:34:08

Data source: 6S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.073)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.990)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	488.200	108.267	34.237
L3	11	0	509.010	101.803	30.695
L5	13	8	501.746	105.028	46.970

Source of Variation	DF	SS	MS	F	P
Between Groups	2	2296.683	1148.341	0.104	0.901
Residual	23	253258.553	11011.241		
Total	25	255555.236			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.901).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:35:55

Data source: 7C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.083)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.990)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	493.984	109.228	34.541
L3	11	0	507.798	95.433	28.774
L5	13	8	503.310	105.945	47.380

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1017.206	508.603	0.0481	0.953
Residual	23	243348.459	10580.368		
Total	25	244365.666			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.953).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:35:08

Data source: 7I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.392)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.915)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	416.630	102.247	32.333
L3	11	0	432.830	94.101	28.372
L5	13	8	457.154	127.321	56.940

Source of Variation	DF	SS	MS	F	P
Between Groups	2	5519.944	2759.972	0.257	0.776
Residual	23	247482.389	10760.104		
Total	25	253002.332			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.776).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:37:00

Data source: 7S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.315)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.973)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	462.640	107.576	34.019
L3	11	0	478.216	94.393	28.460
L5	13	8	459.775	96.354	43.091

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1761.613	880.806	0.0879	0.916
Residual	23	230389.155	10016.920		
Total	25	232150.767			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.916).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:47:15

Data source: 8C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.663)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 15:47:15

Data source: 8C in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	813.296	731.162	945.482
L3	11	0	964.735	647.765	1165.831
L5	13	8	960.444	769.439	1105.170

H = 1.268 with 2 degrees of freedom. (P = 0.530)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.530)

One Way Analysis of Variance

21 January 2019 15:37:37

Data source: 8I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.719)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.164)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	452.037	96.383	30.479
L3	11	0	479.514	106.484	32.106
L5	13	8	508.127	150.894	67.482

Source of Variation	DF	SS	MS	F	P
Between Groups	2	10976.409	5488.204	0.438	0.650
Residual	23	288069.963	12524.781		
Total	25	299046.372			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.650).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:48:35

Data source: 8S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.596)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.928)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	594.027	126.097	39.875
L3	11	0	610.385	112.379	33.884
L5	13	8	525.874	98.223	43.927

Source of Variation	DF	SS	MS	F	P
Between Groups	2	25172.372	12586.186	0.940	0.405
Residual	23	307986.310	13390.709		
Total	25	333158.682			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.405).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:54:02

Data source: 9C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.202)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.832)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	486.745	96.082	30.384
L3	11	0	514.167	109.391	32.983
L5	13	8	549.110	110.717	49.514

Source of Variation	DF	SS	MS	F	P
Between Groups	2	13243.655	6621.828	0.605	0.555
Residual	23	251780.750	10946.989		
Total	25	265024.405			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.555).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:52:24

Data source: 9I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.378)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.807)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	410.317	96.825	30.619
L3	11	0	444.024	92.703	27.951
L5	13	8	458.378	107.798	48.209

Source of Variation	DF	SS	MS	F	P
Between Groups	2	9684.948	4842.474	0.514	0.605
Residual	23	216796.690	9425.943		
Total	25	226481.638			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.605).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:54:50

Data source: 9S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.149)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.954)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	454.487	100.228	31.695
L3	11	0	479.020	100.473	30.294
L5	13	8	469.500	105.871	47.347

Source of Variation	DF	SS	MS	F	P
Between Groups	2	3171.555	1585.778	0.154	0.858
Residual	23	236193.597	10269.287		
Total	25	239365.152			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.858).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:32:40

Data source: 1C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.220)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.894)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	139.272	33.646	10.640
L3	11	0	123.802	29.410	8.867
L5	13	8	139.055	31.994	14.308

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1504.651	752.326	0.755	0.482
Residual	23	22932.576	997.069		
Total	25	24437.227			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.482).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:31:30

Data source: 1I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.739)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.092)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	109.713	30.335	9.593
L3	11	0	104.433	19.217	5.794
L5	13	8	105.563	10.631	4.754

Source of Variation	DF	SS	MS	F	P
Between Groups	2	153.767	76.884	0.142	0.868
Residual	23	12427.014	540.305		
Total	25	12580.782			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.868).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:33:20

Data source: 1S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

20 January 2019 11:33:20

Data source: 1S in 4wks 2y Tb.Th

Group	N	Missing	Median	25%	75%
L1	11	1	84.650	77.228	102.354
L3	11	0	89.605	80.794	101.215
L5	13	8	98.661	98.202	130.750

H = 4.656 with 2 degrees of freedom. (P = 0.098)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.098)

One Way Analysis of Variance

20 January 2019 11:35:11

Data source: 2C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.674)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.378)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	141.643	32.257	10.201
L3	11	0	133.784	23.447	7.069
L5	13	8	155.236	17.020	7.611

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1590.020	795.010	1.141	0.337
Residual	23	16020.940	696.563		
Total	25	17610.960			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.337).

Power of performed test with alpha = 0.050: 0.069

The power of the performed test (0.069) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:34:30

Data source: 2I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.678)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.464)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	112.924	27.475	8.688
L3	11	0	106.480	16.779	5.059
L5	13	8	116.197	13.467	6.023

Source of Variation	DF	SS	MS	F	P
Between Groups	2	396.050	198.025	0.441	0.649
Residual	23	10334.507	449.326		
Total	25	10730.557			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.649).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:35:57

Data source: 2S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

20 January 2019 11:35:57

Data source: 2S in 4wks 2y Tb.Th

Group	N	Missing	Median	25%	75%
L1	11	1	93.430	81.140	105.095
L3	11	0	93.591	80.900	98.755
L5	13	8	103.233	93.912	146.333

H = 3.506 with 2 degrees of freedom. (P = 0.173)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.173)

One Way Analysis of Variance

20 January 2019 11:37:46

Data source: 3C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.505)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.343)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	141.165	33.507	10.596
L3	11	0	131.379	25.937	7.820
L5	13	8	144.162	38.936	17.413

Source of Variation	DF	SS	MS	F	P
Between Groups	2	768.186	384.093	0.386	0.684
Residual	23	22896.040	995.480		
Total	25	23664.226			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.684).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:36:58

Data source: 3I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.180)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.479)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	114.051	29.592	9.358
L3	11	0	108.908	18.522	5.585
L5	13	8	111.478	16.383	7.327

Source of Variation	DF	SS	MS	F	P
Between Groups	2	138.592	69.296	0.129	0.880
Residual	23	12385.178	538.486		
Total	25	12523.770			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.880).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:38:28

Data source: 3S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.071)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.475)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	92.204	16.388	5.182
L3	11	0	91.639	19.175	5.781
L5	13	8	114.203	27.289	12.204

Source of Variation	DF	SS	MS	F	P
Between Groups	2	2008.985	1004.493	2.547	0.100
Residual	23	9072.390	394.452		
Total	25	11081.375			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.100).

Power of performed test with alpha = 0.050: 0.294

The power of the performed test (0.294) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:41:24

Data source: 4C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.183)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.750)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	108.927	22.588	7.143
L3	11	0	101.722	12.842	3.872
L5	13	8	110.135	17.481	7.818

Source of Variation	DF	SS	MS	F	P
Between Groups	2	372.158	186.079	0.573	0.571
Residual	23	7463.493	324.500		
Total	25	7835.652			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.571).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:40:43

Data source: 4I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.338)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.691)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	99.693	18.779	5.938
L3	11	0	96.256	13.294	4.008
L5	13	8	101.088	12.541	5.608

Source of Variation	DF	SS	MS	F	P
Between Groups	2	103.095	51.547	0.213	0.810
Residual	23	5570.163	242.181		
Total	25	5673.258			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.810).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:42:01

Data source: 4S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.157)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.469)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	92.671	12.891	4.076
L3	11	0	92.447	11.980	3.612
L5	13	8	107.475	18.739	8.381

Source of Variation	DF	SS	MS	F	P
Between Groups	2	899.431	449.715	2.386	0.114
Residual	23	4335.352	188.494		
Total	25	5234.782			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.114).

Power of performed test with alpha = 0.050: 0.267

The power of the performed test (0.267) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:23:00

Data source: 5C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.273)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.586)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	113.537	12.002	3.795
L3	11	0	110.199	12.331	3.718
L5	13	8	116.495	18.449	8.251

Source of Variation	DF	SS	MS	F	P
Between Groups	2	147.816	73.908	0.407	0.670
Residual	23	4178.359	181.668		
Total	25	4326.174			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.670).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:21:10

Data source: 5I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.110)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.818)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	101.446	17.312	5.474
L3	11	0	98.980	14.940	4.505
L5	13	8	106.685	13.513	6.043

Source of Variation	DF	SS	MS	F	P
Between Groups	2	204.111	102.055	0.415	0.665
Residual	23	5659.812	246.079		
Total	25	5863.923			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.665).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:24:10

Data source: 5S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.581)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 12:24:10

Data source: 5S in 4wks 2y Tb.Th

Group	N	Missing	Median	25%	75%
L1	11	1	93.412	82.969	97.920
L3	11	0	93.710	85.118	99.880
L5	13	8	103.651	84.986	130.118

H = 2.340 with 2 degrees of freedom. (P = 0.310)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.310)

One Way Analysis of Variance

21 January 2019 12:27:27

Data source: 6C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.058)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.794)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	112.144	23.184	7.331
L3	11	0	102.689	13.068	3.940
L5	13	8	108.254	19.108	8.545

Source of Variation	DF	SS	MS	F	P
Between Groups	2	472.798	236.399	0.679	0.517
Residual	23	8005.732	348.075		
Total	25	8478.530			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.517).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:26:38

Data source: 6I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.180)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.909)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	100.969	16.524	5.225
L3	11	0	97.416	13.148	3.964
L5	13	8	102.544	11.218	5.017

Source of Variation	DF	SS	MS	F	P
Between Groups	2	113.806	56.903	0.279	0.759
Residual	23	4689.346	203.885		
Total	25	4803.152			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.759).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:28:08

Data source: 6S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.334)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.060)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	92.833	13.402	4.238
L3	11	0	91.614	11.000	3.317
L5	13	8	108.004	20.570	9.199

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1017.118	508.559	2.588	0.097
Residual	23	4519.105	196.483		
Total	25	5536.223			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.097).

Power of performed test with alpha = 0.050: 0.301

The power of the performed test (0.301) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:30:01

Data source: 7C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.652)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.637)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	103.290	15.237	4.818
L3	11	0	98.440	12.356	3.725
L5	13	8	111.056	16.912	7.563

Source of Variation	DF	SS	MS	F	P
Between Groups	2	552.140	276.070	1.334	0.283
Residual	23	4760.198	206.965		
Total	25	5312.338			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.283).

Power of performed test with alpha = 0.050: 0.097

The power of the performed test (0.097) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:29:11

Data source: 7I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.502)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.675)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	99.335	16.604	5.251
L3	11	0	96.145	14.900	4.492
L5	13	8	109.209	10.845	4.850

Source of Variation	DF	SS	MS	F	P
Between Groups	2	591.563	295.781	1.315	0.288
Residual	23	5171.709	224.857		
Total	25	5763.272			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.288).

Power of performed test with alpha = 0.050: 0.094

The power of the performed test (0.094) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:31:10

Data source: 7S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.253)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.647)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	96.013	16.544	5.232
L3	11	0	92.086	14.820	4.468
L5	13	8	102.563	20.271	9.065

Source of Variation	DF	SS	MS	F	P
Between Groups	2	379.931	189.966	0.693	0.510
Residual	23	6303.456	274.063		
Total	25	6683.388			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.510).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:33:30

Data source: 8C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 12:33:30

Data source: 8C in 4wks 2y Tb.Th

Group	N	Missing	Median	25%	75%
L1	11	1	134.877	107.456	146.725
L3	11	0	136.824	118.456	145.808
L5	13	8	162.576	132.002	167.575

H = 3.684 with 2 degrees of freedom. (P = 0.159)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.159)

One Way Analysis of Variance

21 January 2019 12:32:36

Data source: 8I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.280)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.481)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	99.895	18.743	5.927
L3	11	0	95.936	14.109	4.254
L5	13	8	109.303	21.804	9.751

Source of Variation	DF	SS	MS	F	P
Between Groups	2	614.474	307.237	1.002	0.383
Residual	23	7053.936	306.693		
Total	25	7668.411			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.383).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:36:36

Data source: 8S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.496)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.855)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	108.803	21.627	6.839
L3	11	0	104.446	17.201	5.186
L5	13	8	106.862	17.737	7.932

Source of Variation	DF	SS	MS	F	P
Between Groups	2	99.950	49.975	0.136	0.873
Residual	23	8426.519	366.370		
Total	25	8526.469			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.873).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:38:05

Data source: 9C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.541)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.370)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	103.000	14.980	4.737
L3	11	0	99.173	12.964	3.909
L5	13	8	114.421	23.194	10.372

Source of Variation	DF	SS	MS	F	P
Between Groups	2	804.630	402.315	1.581	0.227
Residual	23	5851.983	254.434		
Total	25	6656.613			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.227).

Power of performed test with alpha = 0.050: 0.135

The power of the performed test (0.135) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:37:17

Data source: 9I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.780)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.916)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	103.239	18.321	5.794
L3	11	0	97.858	15.132	4.562
L5	13	8	106.563	12.485	5.583

Source of Variation	DF	SS	MS	F	P
Between Groups	2	304.071	152.035	0.589	0.563
Residual	23	5934.086	258.004		
Total	25	6238.157			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.563).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:38:49

Data source: 9S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.163)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.594)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	94.332	14.533	4.596
L3	11	0	92.285	14.249	4.296
L5	13	8	107.833	18.580	8.309

Source of Variation	DF	SS	MS	F	P
Between Groups	2	879.661	439.830	1.904	0.172
Residual	23	5312.154	230.963		
Total	25	6191.814			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.172).

Power of performed test with alpha = 0.050: 0.187

The power of the performed test (0.187) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:40:34

Data source: 1C in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.382)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.694)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	18.751	4.754	1.503
L3	11	0	14.514	4.510	1.360
L5	13	8	17.556	2.754	1.231

Source of Variation	DF	SS	MS	F	P
Between Groups	2	98.268	49.134	2.585	0.097
Residual	23	437.189	19.008		
Total	25	535.457			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.097).

Power of performed test with alpha = 0.050: 0.301

The power of the performed test (0.301) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:39:15

Data source: 1I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.196)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.518)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	18.533	6.048	1.913
L3	11	0	15.054	4.502	1.357
L5	13	8	18.018	6.225	2.784

Source of Variation	DF	SS	MS	F	P
Between Groups	2	70.301	35.150	1.177	0.326
Residual	23	686.886	29.865		
Total	25	757.186			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.326).

Power of performed test with alpha = 0.050: 0.074

The power of the performed test (0.074) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:41:33

Data source: 1S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 15:41:33

Data source: 1S in 4wks 2y BVTV

Group	N	Missing	Median	25%	75%
L1	11	1	14.351	10.333	20.741
L3	11	0	13.320	9.066	20.746
L5	13	8	17.898	12.380	24.417

H = 2.164 with 2 degrees of freedom. (P = 0.339)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.339)

One Way Analysis of Variance

16 January 2019 15:44:19

Data source: 2C in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 15:44:19

Data source: 2C in 4wks 2y BVTV

Group	N	Missing	Median	25%	75%
L1	11	1	15.513	13.532	20.309
L3	11	0	12.946	11.868	17.781
L5	13	8	15.870	14.380	21.482

H = 3.935 with 2 degrees of freedom. (P = 0.140)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.140)

One Way Analysis of Variance

16 January 2019 15:43:24

Data source: 2I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 15:43:24

Data source: 2I in 4wks 2y BVTV

Group	N	Missing	Median	25%	75%
L1	11	1	17.687	12.929	21.613
L3	11	0	15.148	11.443	17.965
L5	13	8	16.574	14.581	25.748

H = 1.936 with 2 degrees of freedom. (P = 0.380)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.380)

One Way Analysis of Variance

16 January 2019 15:45:04

Data source: 2S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.079)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.296)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	14.610	5.125	1.621
L3	11	0	13.930	4.896	1.476
L5	13	8	19.165	7.385	3.303

Source of Variation	DF	SS	MS	F	P
Between Groups	2	99.850	49.925	1.654	0.213
Residual	23	694.228	30.184		
Total	25	794.078			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.213).

Power of performed test with alpha = 0.050: 0.146

The power of the performed test (0.146) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:46:30

Data source: 3C in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.719)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.905)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	19.127	5.271	1.667
L3	11	0	16.498	5.050	1.523
L5	13	8	18.951	4.948	2.213

Source of Variation	DF	SS	MS	F	P
Between Groups	2	42.034	21.017	0.802	0.461
Residual	23	602.933	26.214		
Total	25	644.967			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.461).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:45:47

Data source: 3I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.256)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.728)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	19.317	5.992	1.895
L3	11	0	16.722	5.638	1.700
L5	13	8	19.582	5.549	2.482

Source of Variation	DF	SS	MS	F	P
Between Groups	2	45.929	22.964	0.691	0.511
Residual	23	764.147	33.224		
Total	25	810.076			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.511).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:47:21

Data source: 3S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 15:47:21

Data source: 3S in 4wks 2y BVTV

Group	N	Missing	Median	25%	75%
L1	11	1	15.472	11.954	17.938
L3	11	0	12.941	10.758	16.191
L5	13	8	20.588	12.301	30.216

H = 2.696 with 2 degrees of freedom. (P = 0.260)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.260)

One Way Analysis of Variance

16 January 2019 15:48:59

Data source: 4C in 4wks 2y BTVV

Normality Test (Shapiro-Wilk): Passed (P = 0.854)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.966)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	12.167	1.312	0.415
L3	11	0	10.650	1.185	0.357
L5	13	8	14.268	1.029	0.460

Source of Variation	DF	SS	MS	F	P
Between Groups	2	45.930	22.965	15.638	<0.001
Residual	23	33.776	1.469		
Total	25	79.707			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 0.997

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	3.619	5.536	<0.001	Yes
L5 vs. L1	2.101	3.165	0.009	Yes
L1 vs. L3	1.518	2.866	0.009	Yes

One Way Analysis of Variance

16 January 2019 15:48:10

Data source: 4I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.172)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.718)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	15.192	3.206	1.014
L3	11	0	13.097	3.131	0.944
L5	13	8	15.525	2.581	1.154

Source of Variation	DF	SS	MS	F	P
Between Groups	2	31.251	15.625	1.655	0.213
Residual	23	217.190	9.443		
Total	25	248.441			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.213).

Power of performed test with alpha = 0.050: 0.146

The power of the performed test (0.146) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:50:10

Data source: 4S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.247)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.939)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	12.099	2.334	0.738
L3	11	0	11.483	2.018	0.609
L5	13	8	15.641	2.079	0.930

Source of Variation	DF	SS	MS	F	P
Between Groups	2	62.304	31.152	6.693	0.005
Residual	23	107.053	4.654		
Total	25	169.356			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.005).

Power of performed test with alpha = 0.050: 0.814

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	4.158	3.573	0.005	Yes
L5 vs. L1	3.542	2.997	0.013	Yes
L1 vs. L3	0.616	0.653	0.520	No

One Way Analysis of Variance

16 January 2019 15:51:53

Data source: 5C in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.157)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.411)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	12.174	1.248	0.395
L3	11	0	11.091	1.529	0.461
L5	13	8	13.725	1.809	0.809

Source of Variation	DF	SS	MS	F	P
Between Groups	2	24.267	12.134	5.530	0.011
Residual	23	50.466	2.194		
Total	25	74.734			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.011).

Power of performed test with alpha = 0.050: 0.714

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	2.634	3.297	0.009	Yes
L5 vs. L1	1.552	1.913	0.132	No
L1 vs. L3	1.083	1.673	0.108	No

One Way Analysis of Variance

16 January 2019 15:50:59

Data source: 5I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.231)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.795)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	14.174	2.433	0.769
L3	11	0	12.589	2.156	0.650
L5	13	8	15.076	2.082	0.931

Source of Variation	DF	SS	MS	F	P
Between Groups	2	25.259	12.629	2.481	0.106
Residual	23	117.093	5.091		
Total	25	142.352			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.106).

Power of performed test with alpha = 0.050: 0.283

The power of the performed test (0.283) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:52:38

Data source: 5S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.856)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.282)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	11.380	2.283	0.722
L3	11	0	10.341	1.338	0.404
L5	13	8	14.551	2.938	1.314

Source of Variation	DF	SS	MS	F	P
Between Groups	2	61.397	30.699	7.108	0.004
Residual	23	99.339	4.319		
Total	25	160.737			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.004).

Power of performed test with alpha = 0.050: 0.842

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	4.210	3.756	0.003	Yes
L5 vs. L1	3.171	2.786	0.021	Yes
L1 vs. L3	1.039	1.144	0.264	No

One Way Analysis of Variance

16 January 2019 15:54:07

Data source: 6C in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.839)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.598)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	12.923	1.777	0.562
L3	11	0	10.991	1.248	0.376
L5	13	8	13.824	1.249	0.558

Source of Variation	DF	SS	MS	F	P
Between Groups	2	34.326	17.163	7.861	0.003
Residual	23	50.217	2.183		
Total	25	84.543			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.003).

Power of performed test with alpha = 0.050: 0.883

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	2.833	3.555	0.005	Yes
L1 vs. L3	1.931	2.992	0.013	Yes
L5 vs. L1	0.902	1.114	0.277	No

One Way Analysis of Variance

16 January 2019 15:53:23

Data source: 6I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.138)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.958)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	15.584	3.395	1.074
L3	11	0	13.347	3.087	0.931
L5	13	8	15.895	2.909	1.301

Source of Variation	DF	SS	MS	F	P
Between Groups	2	35.084	17.542	1.732	0.199
Residual	23	232.890	10.126		
Total	25	267.974			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.199).

Power of performed test with alpha = 0.050: 0.159

The power of the performed test (0.159) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:54:55

Data source: 6S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.179)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.409)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	12.855	2.768	0.875
L3	11	0	11.614	2.452	0.739
L5	13	8	16.517	4.104	1.835

Source of Variation	DF	SS	MS	F	P
Between Groups	2	83.173	41.587	4.869	0.017
Residual	23	196.458	8.542		
Total	25	279.631			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.017).

Power of performed test with alpha = 0.050: 0.641

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L5 vs. L3	4.903	3.111	0.015	Yes
L5 vs. L1	3.662	2.288	0.062	No
L1 vs. L3	1.241	0.972	0.341	No

One Way Analysis of Variance

16 January 2019 15:56:30

Data source: 7C in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.224)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.822)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	14.794	3.379	1.068
L3	11	0	12.959	2.942	0.887
L5	13	8	16.732	3.157	1.412

Source of Variation	DF	SS	MS	F	P
Between Groups	2	51.603	25.802	2.589	0.097
Residual	23	229.182	9.964		
Total	25	280.786			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.097).

Power of performed test with alpha = 0.050: 0.302

The power of the performed test (0.302) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:55:40

Data source: 7I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.056)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.658)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	17.463	4.835	1.529
L3	11	0	15.411	4.050	1.221
L5	13	8	19.198	7.764	3.472

Source of Variation	DF	SS	MS	F	P
Between Groups	2	53.933	26.967	1.008	0.381
Residual	23	615.525	26.762		
Total	25	669.458			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.381).

Power of performed test with alpha = 0.050: 0.051

The power of the performed test (0.051) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:57:12

Data source: 7S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.137)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.963)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	14.301	3.441	1.088
L3	11	0	12.551	3.186	0.961
L5	13	8	16.511	2.714	1.214

Source of Variation	DF	SS	MS	F	P
Between Groups	2	55.528	27.764	2.689	0.089
Residual	23	237.490	10.326		
Total	25	293.018			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.089).

Power of performed test with alpha = 0.050: 0.318

The power of the performed test (0.318) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:59:03

Data source: 8C in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.178)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.922)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	13.324	3.304	1.045
L3	11	0	12.010	2.823	0.851
L5	13	8	13.204	1.984	0.887

Source of Variation	DF	SS	MS	F	P
Between Groups	2	10.356	5.178	0.615	0.549
Residual	23	193.705	8.422		
Total	25	204.061			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.549).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:58:05

Data source: 8I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.117)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.951)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	15.305	3.066	0.970
L3	11	0	13.323	2.763	0.833
L5	13	8	15.994	2.978	1.332

Source of Variation	DF	SS	MS	F	P
Between Groups	2	32.612	16.306	1.909	0.171
Residual	23	196.446	8.541		
Total	25	229.057			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.171).

Power of performed test with alpha = 0.050: 0.187

The power of the performed test (0.187) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 15:59:47

Data source: 8S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.147)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.277)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	12.166	2.750	0.870
L3	11	0	11.309	2.258	0.681
L5	13	8	14.580	3.279	1.467

Source of Variation	DF	SS	MS	F	P
Between Groups	2	36.939	18.470	2.621	0.094
Residual	23	162.075	7.047		
Total	25	199.014			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.094).

Power of performed test with alpha = 0.050: 0.307

The power of the performed test (0.307) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 16:01:29

Data source: 9C in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 16:01:29

Data source: 9C in 4wks 2y BVTV

Group	N	Missing	Median	25%	75%
L1	11	1	14.087	13.394	16.764
L3	11	0	11.954	10.652	15.101
L5	13	8	15.357	13.582	17.867

H = 4.867 with 2 degrees of freedom. (P = 0.088)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.088)

One Way Analysis of Variance

16 January 2019 16:00:38

Data source: 9I in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

16 January 2019 16:00:38

Data source: 9I in 4wks 2y BVTV

Group	N	Missing	Median	25%	75%
L1	11	1	17.287	14.759	23.810
L3	11	0	13.661	12.159	18.384
L5	13	8	16.070	14.919	22.665

H = 4.002 with 2 degrees of freedom. (P = 0.135)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.135)

One Way Analysis of Variance

16 January 2019 16:02:16

Data source: 9S in 4wks 2y BVTV

Normality Test (Shapiro-Wilk): Passed (P = 0.164)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.827)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	14.649	3.605	1.140
L3	11	0	12.711	3.220	0.971
L5	13	8	16.762	3.557	1.591

Source of Variation	DF	SS	MS	F	P
Between Groups	2	59.202	29.601	2.510	0.103
Residual	23	271.209	11.792		
Total	25	330.411			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.103).

Power of performed test with alpha = 0.050: 0.288

The power of the performed test (0.288) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:01:47

Data source: 1C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.173)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.051)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.422	0.104	0.0330
L3	11	0	0.503	0.0798	0.0240
L5	13	8	0.464	0.0402	0.0180

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0339	0.0170	2.318	0.121
Residual	23	0.168	0.00732		
Total	25	0.202			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.121).

Power of performed test with alpha = 0.050: 0.256

The power of the performed test (0.256) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:00:22

Data source: 1I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.498)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.722)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.451	0.0619	0.0196
L3	11	0	0.451	0.0842	0.0254
L5	13	8	0.369	0.0829	0.0371

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0273	0.0136	2.360	0.117
Residual	23	0.133	0.00578		
Total	25	0.160			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.117).

Power of performed test with alpha = 0.050: 0.263

The power of the performed test (0.263) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:02:32

Data source: 1S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.894)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.749)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.384	0.0731	0.0231
L3	11	0	0.415	0.0671	0.0202
L5	13	8	0.404	0.0879	0.0393

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00527	0.00264	0.489	0.620
Residual	23	0.124	0.00539		
Total	25	0.129			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.620).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:04:42

Data source: 2C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.160)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.701)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.306	0.119	0.0376
L3	11	0	0.352	0.0951	0.0287
L5	13	8	0.282	0.0963	0.0431

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0203	0.0101	0.916	0.414
Residual	23	0.255	0.0111		
Total	25	0.275			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.414).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:03:34

Data source: 2I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.084)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.523)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.367	0.0907	0.0287
L3	11	0	0.374	0.0698	0.0210
L5	13	8	0.305	0.102	0.0455

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0174	0.00870	1.219	0.314
Residual	23	0.164	0.00714		
Total	25	0.182			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.314).

Power of performed test with alpha = 0.050: 0.080

The power of the performed test (0.080) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:05:34

Data source: 2S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.089)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.540)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.347	0.0687	0.0217
L3	11	0	0.356	0.0522	0.0157
L5	13	8	0.392	0.0696	0.0311

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00694	0.00347	0.896	0.422
Residual	23	0.0891	0.00387		
Total	25	0.0960			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.422).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:07:14

Data source: 3C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.330)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.159)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.428	0.0869	0.0275
L3	11	0	0.480	0.0862	0.0260
L5	13	8	0.463	0.0422	0.0189

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0148	0.00738	1.136	0.338
Residual	23	0.149	0.00649		
Total	25	0.164			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.338).

Power of performed test with alpha = 0.050: 0.068

The power of the performed test (0.068) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:06:24

Data source: 3I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.888)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.983)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.396	0.0899	0.0284
L3	11	0	0.459	0.0821	0.0248
L5	13	8	0.352	0.0784	0.0351

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0450	0.0225	3.140	0.062
Residual	23	0.165	0.00716		
Total	25	0.210			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.062).

Power of performed test with alpha = 0.050: 0.393

The power of the performed test (0.393) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:08:41

Data source: 3S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.736)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.921)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.404	0.0746	0.0236
L3	11	0	0.402	0.0862	0.0260
L5	13	8	0.410	0.0653	0.0292

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000183	0.0000914	0.0149	0.985
Residual	23	0.141	0.00615		
Total	25	0.142			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.985).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:12:40

Data source: 4C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 16:12:40

Data source: 4C in 4wks 2y DA

Group	N	Missing	Median	25%	75%
L1	11	1	0.414	0.355	0.434
L3	11	0	0.457	0.428	0.469
L5	13	8	0.399	0.368	0.407

H = 9.959 with 2 degrees of freedom. (P = 0.007)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.007)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L3 vs L5	11.927	2.891	0.012	Yes
L3 vs L1	7.627	2.282	0.067	No
L1 vs L5	4.300	1.026	0.914	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

21 January 2019 16:10:12

Data source: 4I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.250)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 16:10:12

Data source: 4I in 4wks 2y DA

Group	N	Missing	Median	25%	75%
L1	11	1	0.249	0.154	0.375
L3	11	0	0.253	0.145	0.371
L5	13	8	0.268	0.244	0.311

H = 0.138 with 2 degrees of freedom. (P = 0.933)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.933)

One Way Analysis of Variance

21 January 2019 16:13:30

Data source: 4S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.588)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.763)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.391	0.0838	0.0265
L3	11	0	0.365	0.101	0.0305
L5	13	8	0.311	0.0877	0.0392

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0211	0.0105	1.235	0.310
Residual	23	0.196	0.00853		
Total	25	0.217			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.310).

Power of performed test with alpha = 0.050: 0.082

The power of the performed test (0.082) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:16:33

Data source: 5C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.955)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.796)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.352	0.0565	0.0179
L3	11	0	0.392	0.0427	0.0129
L5	13	8	0.361	0.0541	0.0242

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00898	0.00449	1.762	0.194
Residual	23	0.0586	0.00255		
Total	25	0.0676			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.194).

Power of performed test with alpha = 0.050: 0.163

The power of the performed test (0.163) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:14:18

Data source: 5I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.427)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 16:14:18

Data source: 5I in 4wks 2y DA

Group	N	Missing	Median	25%	75%
L1	11	1	0.276	0.238	0.325
L3	11	0	0.306	0.229	0.389
L5	13	8	0.178	0.129	0.221

H = 8.415 with 2 degrees of freedom. (P = 0.015)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.015)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Dunn's Method) :

Comparison	Diff of Ranks	Q	P	P<0.050
L3 vs L5	11.309	2.741	0.018	Yes
L3 vs L1	0.609	0.182	1.000	No
L1 vs L5	10.700	2.554	0.032	Yes

Note: The multiple comparisons on ranks do not include an adjustment for ties.

One Way Analysis of Variance

21 January 2019 16:19:40

Data source: 5S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.574)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.451)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.266	0.0857	0.0271
L3	11	0	0.246	0.105	0.0318
L5	13	8	0.287	0.116	0.0517

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00603	0.00301	0.300	0.743
Residual	23	0.231	0.0100		
Total	25	0.237			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.743).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:24:37

Data source: 6C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.651)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.797)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.390	0.0570	0.0180
L3	11	0	0.417	0.0567	0.0171
L5	13	8	0.395	0.0462	0.0206

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00420	0.00210	0.690	0.512
Residual	23	0.0699	0.00304		
Total	25	0.0741			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.512).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:22:09

Data source: 6I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.541)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.601)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.265	0.116	0.0368
L3	11	0	0.282	0.131	0.0396
L5	13	8	0.293	0.0789	0.0353

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00303	0.00151	0.109	0.897
Residual	23	0.319	0.0139		
Total	25	0.322			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.897).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:25:52

Data source: 6S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.850)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.250)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.382	0.0516	0.0163
L3	11	0	0.356	0.0872	0.0263
L5	13	8	0.317	0.0665	0.0297

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0141	0.00707	1.382	0.271
Residual	23	0.118	0.00512		
Total	25	0.132			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.271).

Power of performed test with alpha = 0.050: 0.104

The power of the performed test (0.104) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:28:35

Data source: 7C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.518)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.677)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.319	0.0949	0.0300
L3	11	0	0.338	0.0713	0.0215
L5	13	8	0.319	0.103	0.0460

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00232	0.00116	0.153	0.859
Residual	23	0.174	0.00758		
Total	25	0.177			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.859).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:27:31

Data source: 7I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.719)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.117)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.286	0.0905	0.0286
L3	11	0	0.303	0.0566	0.0171
L5	13	8	0.292	0.0896	0.0401

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00149	0.000745	0.124	0.884
Residual	23	0.138	0.00599		
Total	25	0.139			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.884).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:29:21

Data source: 7S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.238)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.277)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.281	0.0795	0.0251
L3	11	0	0.325	0.0942	0.0284
L5	13	8	0.288	0.125	0.0557

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0110	0.00551	0.610	0.552
Residual	23	0.208	0.00903		
Total	25	0.219			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.552).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:31:37

Data source: 8C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.649)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.305)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.261	0.0507	0.0160
L3	11	0	0.326	0.0937	0.0282
L5	13	8	0.324	0.0693	0.0310

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0253	0.0127	2.239	0.129
Residual	23	0.130	0.00566		
Total	25	0.155			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.129).

Power of performed test with alpha = 0.050: 0.242

The power of the performed test (0.242) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:30:49

Data source: 8I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.784)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.416)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.339	0.0772	0.0244
L3	11	0	0.234	0.0972	0.0293
L5	13	8	0.278	0.0730	0.0327

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0580	0.0290	3.936	0.034
Residual	23	0.169	0.00737		
Total	25	0.228			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.034).

Power of performed test with alpha = 0.050: 0.516

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L1 vs. L3	0.105	2.802	0.030	Yes
L1 vs. L5	0.0613	1.305	0.368	No
L5 vs. L3	0.0437	0.945	0.355	No

One Way Analysis of Variance

21 January 2019 16:33:13

Data source: 8S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.597)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.375)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.234	0.0771	0.0244
L3	11	0	0.271	0.105	0.0317
L5	13	8	0.303	0.0437	0.0196

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0173	0.00867	1.162	0.330
Residual	23	0.171	0.00746		
Total	25	0.189			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.330).

Power of performed test with alpha = 0.050: 0.072

The power of the performed test (0.072) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:35:22

Data source: 9C in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.525)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.108)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.326	0.0890	0.0281
L3	11	0	0.355	0.0671	0.0202
L5	13	8	0.333	0.0214	0.00958

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00468	0.00234	0.456	0.640
Residual	23	0.118	0.00513		
Total	25	0.123			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.640).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:34:22

Data source: 9I in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.755)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.148)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.289	0.123	0.0389
L3	11	0	0.266	0.0710	0.0214
L5	13	8	0.309	0.0540	0.0241

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00674	0.00337	0.391	0.681
Residual	23	0.198	0.00862		
Total	25	0.205			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.681).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 16:36:04

Data source: 9S in 4wks 2y DA

Normality Test (Shapiro-Wilk): Passed (P = 0.292)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.357)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.296	0.0762	0.0241
L3	11	0	0.336	0.109	0.0328
L5	13	8	0.307	0.0908	0.0406

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.00874	0.00437	0.492	0.617
Residual	23	0.204	0.00887		
Total	25	0.213			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.617).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

18 January 2019 17:33:49

Data source: 1C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.687)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.876)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.327	0.302	0.0955
L3	11	0	1.469	0.283	0.0852
L5	13	8	1.384	0.299	0.134

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.108	0.0538	0.626	0.544
Residual	23	1.977	0.0860		
Total	25	2.085			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.544).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

16 January 2019 16:09:43

Data source: 1I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.382)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.204)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.479	0.378	0.119
L3	11	0	1.596	0.226	0.0680
L5	13	8	1.453	0.318	0.142

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.102	0.0511	0.535	0.593
Residual	23	2.197	0.0955		
Total	25	2.300			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.593).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

18 January 2019 17:34:57

Data source: 1S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.200)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.631)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.700	0.395	0.125
L3	11	0	1.763	0.271	0.0818
L5	13	8	1.394	0.344	0.154

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.484	0.242	2.131	0.142
Residual	23	2.613	0.114		
Total	25	3.098			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.142).

Power of performed test with alpha = 0.050: 0.224

The power of the performed test (0.224) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

18 January 2019 17:37:16

Data source: 2C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.112)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.209)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.345	0.250	0.0790
L3	11	0	1.462	0.210	0.0634
L5	13	8	1.290	0.364	0.163

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.127	0.0637	0.956	0.399
Residual	23	1.533	0.0667		
Total	25	1.660			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.399).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

18 January 2019 17:36:00

Data source: 2I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

18 January 2019 17:36:00

Data source: 2I in 4wks 2y SMI

Group	N	Missing	Median	25%	75%
L1	11	1	1.420	1.187	1.691
L3	11	0	1.554	1.339	1.711
L5	13	8	1.377	0.875	1.575

H = 0.937 with 2 degrees of freedom. (P = 0.626)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.626)

One Way Analysis of Variance

18 January 2019 17:38:20

Data source: 2S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.257)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.183)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.660	0.311	0.0983
L3	11	0	1.655	0.279	0.0843
L5	13	8	1.271	0.481	0.215

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.603	0.301	2.693	0.089
Residual	23	2.574	0.112		
Total	25	3.177			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.089).

Power of performed test with alpha = 0.050: 0.319

The power of the performed test (0.319) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

18 January 2019 17:40:48

Data source: 3C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.091)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.645)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.252	0.306	0.0968
L3	11	0	1.408	0.279	0.0840
L5	13	8	1.339	0.338	0.151

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.129	0.0644	0.713	0.501
Residual	23	2.077	0.0903		
Total	25	2.206			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.501).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

18 January 2019 17:39:34

Data source: 3I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.150)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.974)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.457	0.298	0.0942
L3	11	0	1.506	0.305	0.0921
L5	13	8	1.374	0.296	0.133

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0603	0.0301	0.333	0.720
Residual	23	2.082	0.0905		
Total	25	2.142			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.720).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

18 January 2019 17:42:22

Data source: 3S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.148)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.173)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.606	0.370	0.117
L3	11	0	1.720	0.313	0.0945
L5	13	8	1.236	0.499	0.223

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.814	0.407	2.916	0.074
Residual	23	3.210	0.140		
Total	25	4.024			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.074).

Power of performed test with alpha = 0.050: 0.356

The power of the performed test (0.356) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:41:12

Data source: 4C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.115)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.772)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.543	0.170	0.0536
L3	11	0	1.619	0.148	0.0447
L5	13	8	1.451	0.190	0.0851

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.100	0.0501	1.849	0.180
Residual	23	0.623	0.0271		
Total	25	0.723			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.180).

Power of performed test with alpha = 0.050: 0.178

The power of the performed test (0.178) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:40:25

Data source: 4I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.332)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.875)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.560	0.204	0.0646
L3	11	0	1.648	0.190	0.0572
L5	13	8	1.456	0.202	0.0901

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.131	0.0656	1.683	0.208
Residual	23	0.897	0.0390		
Total	25	1.029			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.208).

Power of performed test with alpha = 0.050: 0.151

The power of the performed test (0.151) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:42:00

Data source: 4S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.760)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.343)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.715	0.171	0.0539
L3	11	0	1.719	0.135	0.0407
L5	13	8	1.493	0.256	0.115

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.202	0.101	3.289	0.055
Residual	23	0.706	0.0307		
Total	25	0.908			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.055).

Power of performed test with alpha = 0.050: 0.417

The power of the performed test (0.417) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:43:40

Data source: 5C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.951)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.582)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.644	0.100	0.0317
L3	11	0	1.656	0.107	0.0323
L5	13	8	1.493	0.113	0.0507

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.101	0.0503	4.509	0.022
Residual	23	0.257	0.0112		
Total	25	0.357			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.022).

Power of performed test with alpha = 0.050: 0.595

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.163	2.861	0.026	Yes
L1 vs. L5	0.151	2.608	0.031	Yes
L3 vs. L1	0.0121	0.262	0.796	No

One Way Analysis of Variance

19 January 2019 10:43:00

Data source: 5I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.233)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.339)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.624	0.128	0.0405
L3	11	0	1.671	0.118	0.0355
L5	13	8	1.507	0.163	0.0729

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0919	0.0459	2.692	0.089
Residual	23	0.392	0.0171		
Total	25	0.484			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.089).

Power of performed test with alpha = 0.050: 0.319

The power of the performed test (0.319) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:45:40

Data source: 5S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.361)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.238)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.780	0.120	0.0380
L3	11	0	1.803	0.130	0.0393
L5	13	8	1.531	0.232	0.104

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.277	0.139	6.184	0.007
Residual	23	0.515	0.0224		
Total	25	0.793			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.007).

Power of performed test with alpha = 0.050: 0.774

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.272	3.365	0.008	Yes
L1 vs. L5	0.248	3.030	0.012	Yes
L3 vs. L1	0.0232	0.355	0.726	No

One Way Analysis of Variance

19 January 2019 10:47:22

Data source: 6C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.246)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.502)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.533	0.136	0.0431
L3	11	0	1.623	0.141	0.0425
L5	13	8	1.431	0.187	0.0835

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.132	0.0662	3.013	0.069
Residual	23	0.505	0.0220		
Total	25	0.638			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.069).

Power of performed test with alpha = 0.050: 0.372

The power of the performed test (0.372) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:46:23

Data source: 6I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.190)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.841)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.513	0.204	0.0644
L3	11	0	1.634	0.185	0.0559
L5	13	8	1.446	0.206	0.0921

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.144	0.0722	1.873	0.176
Residual	23	0.887	0.0386		
Total	25	1.031			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.176).

Power of performed test with alpha = 0.050: 0.182

The power of the performed test (0.182) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:48:02

Data source: 6S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.792)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.250)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.656	0.176	0.0556
L3	11	0	1.708	0.130	0.0391
L5	13	8	1.393	0.270	0.121

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.356	0.178	5.543	0.011
Residual	23	0.738	0.0321		
Total	25	1.094			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.011).

Power of performed test with alpha = 0.050: 0.715

All Pairwise Multiple Comparison Procedures (Holm-Sidak method):
Overall significance level = 0.05

Comparisons for factor:

Comparison	Diff of Means	t	P	P<0.050
L3 vs. L5	0.316	3.266	0.010	Yes
L1 vs. L5	0.263	2.686	0.026	Yes
L3 vs. L1	0.0521	0.666	0.512	No

One Way Analysis of Variance

19 January 2019 10:51:03

Data source: 7C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.270)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.569)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.480	0.220	0.0696
L3	11	0	1.563	0.173	0.0523
L5	13	8	1.351	0.244	0.109

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.156	0.0780	1.841	0.181
Residual	23	0.974	0.0424		
Total	25	1.130			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.181).

Power of performed test with alpha = 0.050: 0.176

The power of the performed test (0.176) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:49:35

Data source: 7I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.053)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.115)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.556	0.274	0.0867
L3	11	0	1.623	0.224	0.0676
L5	13	8	1.379	0.515	0.230

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.205	0.103	1.054	0.365
Residual	23	2.239	0.0973		
Total	25	2.444			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.365).

Power of performed test with alpha = 0.050: 0.057

The power of the performed test (0.057) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:51:48

Data source: 7S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.191)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.993)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.656	0.224	0.0707
L3	11	0	1.712	0.210	0.0634
L5	13	8	1.498	0.166	0.0743

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.157	0.0786	1.803	0.187
Residual	23	1.003	0.0436		
Total	25	1.160			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.187).

Power of performed test with alpha = 0.050: 0.170

The power of the performed test (0.170) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:53:01

Data source: 8C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

19 January 2019 10:53:01

Data source: 8C in 4wks 2y SMI

Group	N	Missing	Median	25%	75%
L1	11	1	1.332	0.941	1.399
L3	11	0	1.215	1.175	1.347
L5	13	8	1.261	1.146	1.497

H = 0.209 with 2 degrees of freedom. (P = 0.901)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.901)

One Way Analysis of Variance

19 January 2019 10:52:32

Data source: 8I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.482)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.628)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.589	0.179	0.0565
L3	11	0	1.646	0.154	0.0464
L5	13	8	1.421	0.210	0.0938

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.174	0.0869	2.858	0.078
Residual	23	0.700	0.0304		
Total	25	0.873			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.078).

Power of performed test with alpha = 0.050: 0.346

The power of the performed test (0.346) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:54:30

Data source: 8S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.222)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.414)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.690	0.234	0.0741
L3	11	0	1.678	0.166	0.0500
L5	13	8	1.501	0.266	0.119

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.135	0.0675	1.476	0.249
Residual	23	1.052	0.0457		
Total	25	1.186			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.249).

Power of performed test with alpha = 0.050: 0.118

The power of the performed test (0.118) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:57:34

Data source: 9C in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.864)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.352)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.455	0.138	0.0436
L3	11	0	1.569	0.180	0.0542
L5	13	8	1.437	0.221	0.0987

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.0926	0.0463	1.544	0.235
Residual	23	0.689	0.0300		
Total	25	0.782			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.235).

Power of performed test with alpha = 0.050: 0.129

The power of the performed test (0.129) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:55:13

Data source: 9I in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.062)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.202)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.511	0.231	0.0731
L3	11	0	1.643	0.198	0.0598
L5	13	8	1.395	0.401	0.179

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.230	0.115	1.740	0.198
Residual	23	1.517	0.0660		
Total	25	1.747			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.198).

Power of performed test with alpha = 0.050: 0.160

The power of the performed test (0.160) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

19 January 2019 10:58:20

Data source: 9S in 4wks 2y SMI

Normality Test (Shapiro-Wilk): Passed (P = 0.663)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.258)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	1.588	0.192	0.0608
L3	11	0	1.689	0.173	0.0522
L5	13	8	1.522	0.279	0.125

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.111	0.0555	1.353	0.278
Residual	23	0.944	0.0410		
Total	25	1.055			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.278).

Power of performed test with alpha = 0.050: 0.100

The power of the performed test (0.100) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:44:07

Data source: 1C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Passed (P = 0.221)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.290)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	0.00135	0.000164	0.0000518
L3	11	0	0.00116	0.000186	0.0000560
L5	13	8	0.00131	0.000338	0.000151

Source of Variation	DF	SS	MS	F	P
Between Groups	2	0.000000199	0.0000000994	2.189	0.135
Residual	23	0.00000104	0.0000000454		
Total	25	0.00000124			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.135).

Power of performed test with alpha = 0.050: 0.234

The power of the performed test (0.234) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:43:04

Data source: 1I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 12:43:04

Data source: 1I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00158	0.00136	0.00181
L3	11	0	0.00130	0.00120	0.00156
L5	13	8	0.00141	0.00130	0.00238

H = 3.897 with 2 degrees of freedom. (P = 0.142)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.142)

One Way Analysis of Variance

21 January 2019 12:45:01

Data source: 1S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 12:45:01

Data source: 1S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00147	0.00129	0.00209
L3	11	0	0.00135	0.00105	0.00171
L5	13	8	0.00151	0.00126	0.00214

H = 1.635 with 2 degrees of freedom. (P = 0.442)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.442)

One Way Analysis of Variance

21 January 2019 12:55:15

Data source: 2C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 12:55:15

Data source: 2C in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00114	0.00107	0.00118
L3	11	0	0.000990	0.000960	0.00114
L5	13	8	0.00105	0.000990	0.00130

H = 4.481 with 2 degrees of freedom. (P = 0.106)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.106)

One Way Analysis of Variance

21 January 2019 12:54:14

Data source: 2I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 12:54:14

Data source: 2I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00143	0.00128	0.00159
L3	11	0	0.00137	0.00115	0.00156
L5	13	8	0.00139	0.00131	0.00228

H = 1.250 with 2 degrees of freedom. (P = 0.535)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.535)

One Way Analysis of Variance

21 January 2019 13:02:47

Data source: 2S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:02:47

Data source: 2S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00146	0.00120	0.00170
L3	11	0	0.00137	0.00113	0.00165
L5	13	8	0.00144	0.00125	0.00232

H = 0.389 with 2 degrees of freedom. (P = 0.823)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.823)

One Way Analysis of Variance

21 January 2019 13:04:36

Data source: 3C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:04:36

Data source: 3C in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00129	0.00122	0.00147
L3	11	0	0.00121	0.00103	0.00136
L5	13	8	0.00122	0.00115	0.00160

H = 2.126 with 2 degrees of freedom. (P = 0.345)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.345)

One Way Analysis of Variance

21 January 2019 13:03:52

Data source: 3I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:03:52

Data source: 3I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00161	0.00141	0.00182
L3	11	0	0.00147	0.00125	0.00168
L5	13	8	0.00147	0.00142	0.00233

H = 1.637 with 2 degrees of freedom. (P = 0.441)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.441)

One Way Analysis of Variance

21 January 2019 13:05:27

Data source: 3S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:05:27

Data source: 3S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00157	0.00135	0.00195
L3	11	0	0.00138	0.00128	0.00158
L5	13	8	0.00166	0.00127	0.00264

H = 2.039 with 2 degrees of freedom. (P = 0.361)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.361)

One Way Analysis of Variance

21 January 2019 13:07:11

Data source: 4C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:07:11

Data source: 4C in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00103	0.000970	0.00130
L3	11	0	0.00105	0.000900	0.00116
L5	13	8	0.00120	0.00118	0.00152

H = 5.191 with 2 degrees of freedom. (P = 0.075)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.075)

One Way Analysis of Variance

21 January 2019 13:06:26

Data source: 4I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:06:26

Data source: 4I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00147	0.00121	0.00167
L3	11	0	0.00131	0.00110	0.00154
L5	13	8	0.00139	0.00130	0.00197

H = 1.785 with 2 degrees of freedom. (P = 0.410)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.410)

One Way Analysis of Variance

21 January 2019 13:07:59

Data source: 4S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:07:59

Data source: 4S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00127	0.00105	0.00152
L3	11	0	0.00119	0.00109	0.00141
L5	13	8	0.00142	0.00130	0.00170

H = 2.613 with 2 degrees of freedom. (P = 0.271)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.271)

One Way Analysis of Variance

21 January 2019 13:10:36

Data source: 5C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:10:36

Data source: 5C in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00103	0.000965	0.00119
L3	11	0	0.000980	0.000910	0.00117
L5	13	8	0.00114	0.00108	0.00133

H = 5.165 with 2 degrees of freedom. (P = 0.076)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.076)

One Way Analysis of Variance

21 January 2019 13:09:03

Data source: 5I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:09:03

Data source: 5I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00132	0.00119	0.00159
L3	11	0	0.00121	0.00111	0.00146
L5	13	8	0.00135	0.00118	0.00176

H = 1.491 with 2 degrees of freedom. (P = 0.475)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.475)

One Way Analysis of Variance

21 January 2019 13:12:27

Data source: 5S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:12:27

Data source: 5S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00109	0.00106	0.00152
L3	11	0	0.00117	0.001000	0.00127
L5	13	8	0.00132	0.00117	0.00165

H = 3.149 with 2 degrees of freedom. (P = 0.207)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.207)

One Way Analysis of Variance

21 January 2019 13:13:57

Data source: 6C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:13:57

Data source: 6C in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00113	0.00103	0.00129
L3	11	0	0.00103	0.000940	0.00118
L5	13	8	0.00121	0.00118	0.00148

H = 5.255 with 2 degrees of freedom. (P = 0.072)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.072)

One Way Analysis of Variance

21 January 2019 13:13:08

Data source: 6I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:13:08

Data source: 6I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00143	0.00133	0.00165
L3	11	0	0.00130	0.00112	0.00155
L5	13	8	0.00139	0.00132	0.00196

H = 3.424 with 2 degrees of freedom. (P = 0.181)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.181)

One Way Analysis of Variance

21 January 2019 13:14:42

Data source: 6S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:14:42

Data source: 6S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00124	0.00114	0.00159
L3	11	0	0.00111	0.00109	0.00152
L5	13	8	0.00149	0.00121	0.00193

H = 2.395 with 2 degrees of freedom. (P = 0.302)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.302)

One Way Analysis of Variance

21 January 2019 13:16:39

Data source: 7C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:16:39

Data source: 7C in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00136	0.00116	0.00164
L3	11	0	0.00116	0.00109	0.00153
L5	13	8	0.00137	0.00124	0.00195

H = 1.737 with 2 degrees of freedom. (P = 0.420)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.420)

One Way Analysis of Variance

21 January 2019 13:15:53

Data source: 7I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:15:53

Data source: 7I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00172	0.00136	0.00200
L3	11	0	0.00144	0.00128	0.00184
L5	13	8	0.00145	0.00129	0.00255

H = 0.922 with 2 degrees of freedom. (P = 0.631)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.631)

One Way Analysis of Variance

21 January 2019 13:17:19

Data source: 7S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:17:19

Data source: 7S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00143	0.00120	0.00171
L3	11	0	0.00126	0.00111	0.00167
L5	13	8	0.00150	0.00138	0.00201

H = 2.217 with 2 degrees of freedom. (P = 0.330)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.330)

One Way Analysis of Variance

21 January 2019 13:18:58

Data source: 8C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:18:58

Data source: 8C in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.000935	0.000828	0.00117
L3	11	0	0.000830	0.000780	0.00118
L5	13	8	0.000830	0.000715	0.00109

H = 1.753 with 2 degrees of freedom. (P = 0.416)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.416)

One Way Analysis of Variance

21 January 2019 13:18:05

Data source: 8I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:18:05

Data source: 8I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00151	0.00136	0.00164
L3	11	0	0.00129	0.00112	0.00161
L5	13	8	0.00129	0.00113	0.00211

H = 1.273 with 2 degrees of freedom. (P = 0.529)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.529)

One Way Analysis of Variance

21 January 2019 13:19:46

Data source: 8S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:19:46

Data source: 8S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00101	0.000908	0.00126
L3	11	0	0.00102	0.000910	0.00127
L5	13	8	0.00132	0.00111	0.00173

H = 2.979 with 2 degrees of freedom. (P = 0.225)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.225)

One Way Analysis of Variance

21 January 2019 13:21:28

Data source: 9C in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:21:28

Data source: 9C in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00134	0.00130	0.00164
L3	11	0	0.00121	0.00104	0.00150
L5	13	8	0.00128	0.00120	0.00170

H = 3.070 with 2 degrees of freedom. (P = 0.216)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.216)

One Way Analysis of Variance

21 January 2019 13:20:35

Data source: 9I in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:20:35

Data source: 9I in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00177	0.00151	0.00199
L3	11	0	0.00137	0.00128	0.00183
L5	13	8	0.00148	0.00134	0.00233

H = 2.464 with 2 degrees of freedom. (P = 0.292)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.292)

One Way Analysis of Variance

21 January 2019 13:22:10

Data source: 9S in 4wks 2y Tb.N

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:22:10

Data source: 9S in 4wks 2y Tb.N

Group	N	Missing	Median	25%	75%
L1	11	1	0.00147	0.00123	0.00178
L3	11	0	0.00130	0.00117	0.00156
L5	13	8	0.00151	0.00121	0.00209

H = 1.368 with 2 degrees of freedom. (P = 0.505)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.505)

One Way Analysis of Variance

21 January 2019 13:27:54

Data source: 1C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.419)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.899)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	536.751	103.251	32.651
L3	11	0	586.511	99.485	29.996
L5	13	8	588.957	128.367	57.407

Source of Variation	DF	SS	MS	F	P
Between Groups	2	15729.463	7864.731	0.694	0.510
Residual	23	260831.987	11340.521		
Total	25	276561.450			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.510).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 13:26:51

Data source: 1I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:26:51

Data source: 1I in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	439.883	373.959	494.498
L3	11	0	488.483	409.864	546.307
L5	13	8	507.601	376.953	528.183

H = 2.215 with 2 degrees of freedom. (P = 0.330)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.330)

One Way Analysis of Variance

21 January 2019 13:28:44

Data source: 1S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:28:44

Data source: 1S in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	418.428	348.959	453.520
L3	11	0	438.409	412.913	506.365
L5	13	8	486.207	368.949	555.130

H = 4.398 with 2 degrees of freedom. (P = 0.111)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.111)

One Way Analysis of Variance

21 January 2019 13:30:12

Data source: 2C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.829)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.258)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	632.524	70.972	22.443
L3	11	0	643.505	124.479	37.532
L5	13	8	698.664	162.176	72.527

Source of Variation	DF	SS	MS	F	P
Between Groups	2	15358.777	7679.388	0.578	0.569
Residual	23	305487.610	13282.070		
Total	25	320846.386			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.569).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 13:29:32

Data source: 2I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 13:29:32

Data source: 2I in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	481.719	406.404	516.652
L3	11	0	507.858	437.942	553.864
L5	13	8	529.756	376.797	543.002

H = 0.922 with 2 degrees of freedom. (P = 0.631)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.631)

One Way Analysis of Variance

21 January 2019 15:13:03

Data source: 2S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 15:13:03

Data source: 2S in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	447.905	373.983	486.974
L3	11	0	464.897	399.799	504.293
L5	13	8	507.735	360.890	555.974

H = 2.121 with 2 degrees of freedom. (P = 0.346)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.346)

One Way Analysis of Variance

21 January 2019 15:16:39

Data source: 3C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.676)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.780)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	561.291	103.945	32.870
L3	11	0	566.925	115.820	34.921
L5	13	8	575.705	125.903	56.306

Source of Variation	DF	SS	MS	F	P
Between Groups	2	696.966	348.483	0.0272	0.973
Residual	23	294790.271	12816.968		
Total	25	295487.237			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.973).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:14:54

Data source: 3I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 15:14:54

Data source: 3I in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	428.773	387.372	459.875
L3	11	0	487.388	398.431	522.515
L5	13	8	474.568	362.006	514.268

H = 3.041 with 2 degrees of freedom. (P = 0.219)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.219)

One Way Analysis of Variance

21 January 2019 15:18:34

Data source: 3S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 15:18:34

Data source: 3S in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	423.324	347.448	464.510
L3	11	0	448.789	403.737	501.688
L5	13	8	488.716	333.772	550.109

H = 2.415 with 2 degrees of freedom. (P = 0.299)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.299)

One Way Analysis of Variance

21 January 2019 15:23:27

Data source: 4C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 15:23:27

Data source: 4C in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	659.249	456.290	677.673
L3	11	0	648.348	485.609	677.458
L5	13	8	574.526	442.987	640.664

H = 1.152 with 2 degrees of freedom. (P = 0.562)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.562)

One Way Analysis of Variance

21 January 2019 15:20:14

Data source: 4I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.105)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.792)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	465.605	99.963	31.611
L3	11	0	491.319	94.677	28.546
L5	13	8	506.689	111.076	49.675

Source of Variation	DF	SS	MS	F	P
Between Groups	2	6542.980	3271.490	0.329	0.723
Residual	23	228921.920	9953.127		
Total	25	235464.900			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.723).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:25:20

Data source: 4S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.233)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.949)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	491.335	98.235	31.065
L3	11	0	517.580	102.984	31.051
L5	13	8	506.723	104.285	46.638

Source of Variation	DF	SS	MS	F	P
Between Groups	2	3618.890	1809.445	0.176	0.840
Residual	23	236410.057	10278.698		
Total	25	240028.947			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.840).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:30:11

Data source: 5C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 15:30:11

Data source: 5C in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	607.123	473.797	672.920
L3	11	0	640.865	494.084	660.879
L5	13	8	625.969	478.253	654.477

H = 0.468 with 2 degrees of freedom. (P = 0.791)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.791)

One Way Analysis of Variance

21 January 2019 15:26:04

Data source: 5I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.096)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.699)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	464.068	84.914	26.852
L3	11	0	494.499	87.592	26.410
L5	13	8	509.695	107.052	47.875

Source of Variation	DF	SS	MS	F	P
Between Groups	2	8409.956	4204.978	0.516	0.604
Residual	23	187457.011	8150.305		
Total	25	195866.967			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.604).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:30:50

Data source: 5S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 15:30:50

Data source: 5S in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	507.640	387.695	559.884
L3	11	0	539.999	430.591	573.595
L5	13	8	504.457	429.340	575.212

H = 0.971 with 2 degrees of freedom. (P = 0.615)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.615)

One Way Analysis of Variance

21 January 2019 15:33:27

Data source: 6C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 15:33:27

Data source: 6C in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	627.356	453.908	675.405
L3	11	0	630.646	473.050	693.604
L5	13	8	623.278	442.874	641.716

H = 1.094 with 2 degrees of freedom. (P = 0.579)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.579)

One Way Analysis of Variance

21 January 2019 15:32:37

Data source: 6I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.127)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.758)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	462.632	95.311	30.140
L3	11	0	495.371	106.448	32.095
L5	13	8	496.670	114.844	51.360

Source of Variation	DF	SS	MS	F	P
Between Groups	2	6766.493	3383.246	0.314	0.734
Residual	23	247826.864	10775.081		
Total	25	254593.356			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.734).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:34:08

Data source: 6S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.073)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.990)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	488.200	108.267	34.237
L3	11	0	509.010	101.803	30.695
L5	13	8	501.746	105.028	46.970

Source of Variation	DF	SS	MS	F	P
Between Groups	2	2296.683	1148.341	0.104	0.901
Residual	23	253258.553	11011.241		
Total	25	255555.236			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.901).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:35:55

Data source: 7C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.083)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.990)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	493.984	109.228	34.541
L3	11	0	507.798	95.433	28.774
L5	13	8	503.310	105.945	47.380

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1017.206	508.603	0.0481	0.953
Residual	23	243348.459	10580.368		
Total	25	244365.666			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.953).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:35:08

Data source: 7I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.392)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.915)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	416.630	102.247	32.333
L3	11	0	432.830	94.101	28.372
L5	13	8	457.154	127.321	56.940

Source of Variation	DF	SS	MS	F	P
Between Groups	2	5519.944	2759.972	0.257	0.776
Residual	23	247482.389	10760.104		
Total	25	253002.332			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.776).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:37:00

Data source: 7S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.315)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.973)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	462.640	107.576	34.019
L3	11	0	478.216	94.393	28.460
L5	13	8	459.775	96.354	43.091

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1761.613	880.806	0.0879	0.916
Residual	23	230389.155	10016.920		
Total	25	232150.767			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.916).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:47:15

Data source: 8C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.663)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 15:47:15

Data source: 8C in 4wks 2y Tb.Sp

Group	N	Missing	Median	25%	75%
L1	11	1	813.296	731.162	945.482
L3	11	0	964.735	647.765	1165.831
L5	13	8	960.444	769.439	1105.170

H = 1.268 with 2 degrees of freedom. (P = 0.530)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.530)

One Way Analysis of Variance

21 January 2019 15:37:37

Data source: 8I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.719)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.164)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	452.037	96.383	30.479
L3	11	0	479.514	106.484	32.106
L5	13	8	508.127	150.894	67.482

Source of Variation	DF	SS	MS	F	P
Between Groups	2	10976.409	5488.204	0.438	0.650
Residual	23	288069.963	12524.781		
Total	25	299046.372			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.650).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:48:35

Data source: 8S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.596)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.928)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	594.027	126.097	39.875
L3	11	0	610.385	112.379	33.884
L5	13	8	525.874	98.223	43.927

Source of Variation	DF	SS	MS	F	P
Between Groups	2	25172.372	12586.186	0.940	0.405
Residual	23	307986.310	13390.709		
Total	25	333158.682			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.405).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:54:02

Data source: 9C in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.202)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.832)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	486.745	96.082	30.384
L3	11	0	514.167	109.391	32.983
L5	13	8	549.110	110.717	49.514

Source of Variation	DF	SS	MS	F	P
Between Groups	2	13243.655	6621.828	0.605	0.555
Residual	23	251780.750	10946.989		
Total	25	265024.405			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.555).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:52:24

Data source: 9I in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.378)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.807)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	410.317	96.825	30.619
L3	11	0	444.024	92.703	27.951
L5	13	8	458.378	107.798	48.209

Source of Variation	DF	SS	MS	F	P
Between Groups	2	9684.948	4842.474	0.514	0.605
Residual	23	216796.690	9425.943		
Total	25	226481.638			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.605).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 15:54:50

Data source: 9S in 4wks 2y Tb.Sp

Normality Test (Shapiro-Wilk): Passed (P = 0.149)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.954)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	454.487	100.228	31.695
L3	11	0	479.020	100.473	30.294
L5	13	8	469.500	105.871	47.347

Source of Variation	DF	SS	MS	F	P
Between Groups	2	3171.555	1585.778	0.154	0.858
Residual	23	236193.597	10269.287		
Total	25	239365.152			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.858).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:32:40

Data source: 1C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.220)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.894)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	139.272	33.646	10.640
L3	11	0	123.802	29.410	8.867
L5	13	8	139.055	31.994	14.308

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1504.651	752.326	0.755	0.482
Residual	23	22932.576	997.069		
Total	25	24437.227			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.482).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:31:30

Data source: 1I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.739)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.092)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	109.713	30.335	9.593
L3	11	0	104.433	19.217	5.794
L5	13	8	105.563	10.631	4.754

Source of Variation	DF	SS	MS	F	P
Between Groups	2	153.767	76.884	0.142	0.868
Residual	23	12427.014	540.305		
Total	25	12580.782			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.868).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:33:20

Data source: 1S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

20 January 2019 11:33:20

Data source: 1S in 4wks 2y Tb.Th

Group	N	Missing	Median	25%	75%
L1	11	1	84.650	77.228	102.354
L3	11	0	89.605	80.794	101.215
L5	13	8	98.661	98.202	130.750

H = 4.656 with 2 degrees of freedom. (P = 0.098)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.098)

One Way Analysis of Variance

20 January 2019 11:35:11

Data source: 2C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.674)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.378)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	141.643	32.257	10.201
L3	11	0	133.784	23.447	7.069
L5	13	8	155.236	17.020	7.611

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1590.020	795.010	1.141	0.337
Residual	23	16020.940	696.563		
Total	25	17610.960			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.337).

Power of performed test with alpha = 0.050: 0.069

The power of the performed test (0.069) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:34:30

Data source: 2I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.678)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.464)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	112.924	27.475	8.688
L3	11	0	106.480	16.779	5.059
L5	13	8	116.197	13.467	6.023

Source of Variation	DF	SS	MS	F	P
Between Groups	2	396.050	198.025	0.441	0.649
Residual	23	10334.507	449.326		
Total	25	10730.557			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.649).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:35:57

Data source: 2S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

20 January 2019 11:35:57

Data source: 2S in 4wks 2y Tb.Th

Group	N	Missing	Median	25%	75%
L1	11	1	93.430	81.140	105.095
L3	11	0	93.591	80.900	98.755
L5	13	8	103.233	93.912	146.333

H = 3.506 with 2 degrees of freedom. (P = 0.173)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.173)

One Way Analysis of Variance

20 January 2019 11:37:46

Data source: 3C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.505)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.343)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	141.165	33.507	10.596
L3	11	0	131.379	25.937	7.820
L5	13	8	144.162	38.936	17.413

Source of Variation	DF	SS	MS	F	P
Between Groups	2	768.186	384.093	0.386	0.684
Residual	23	22896.040	995.480		
Total	25	23664.226			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.684).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:36:58

Data source: 3I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.180)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.479)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	114.051	29.592	9.358
L3	11	0	108.908	18.522	5.585
L5	13	8	111.478	16.383	7.327

Source of Variation	DF	SS	MS	F	P
Between Groups	2	138.592	69.296	0.129	0.880
Residual	23	12385.178	538.486		
Total	25	12523.770			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.880).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:38:28

Data source: 3S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.071)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.475)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	92.204	16.388	5.182
L3	11	0	91.639	19.175	5.781
L5	13	8	114.203	27.289	12.204

Source of Variation	DF	SS	MS	F	P
Between Groups	2	2008.985	1004.493	2.547	0.100
Residual	23	9072.390	394.452		
Total	25	11081.375			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.100).

Power of performed test with alpha = 0.050: 0.294

The power of the performed test (0.294) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:41:24

Data source: 4C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.183)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.750)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	108.927	22.588	7.143
L3	11	0	101.722	12.842	3.872
L5	13	8	110.135	17.481	7.818

Source of Variation	DF	SS	MS	F	P
Between Groups	2	372.158	186.079	0.573	0.571
Residual	23	7463.493	324.500		
Total	25	7835.652			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.571).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:40:43

Data source: 4I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.338)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.691)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	99.693	18.779	5.938
L3	11	0	96.256	13.294	4.008
L5	13	8	101.088	12.541	5.608

Source of Variation	DF	SS	MS	F	P
Between Groups	2	103.095	51.547	0.213	0.810
Residual	23	5570.163	242.181		
Total	25	5673.258			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.810).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

20 January 2019 11:42:01

Data source: 4S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.157)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.469)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	92.671	12.891	4.076
L3	11	0	92.447	11.980	3.612
L5	13	8	107.475	18.739	8.381

Source of Variation	DF	SS	MS	F	P
Between Groups	2	899.431	449.715	2.386	0.114
Residual	23	4335.352	188.494		
Total	25	5234.782			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.114).

Power of performed test with alpha = 0.050: 0.267

The power of the performed test (0.267) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:23:00

Data source: 5C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.273)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.586)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	113.537	12.002	3.795
L3	11	0	110.199	12.331	3.718
L5	13	8	116.495	18.449	8.251

Source of Variation	DF	SS	MS	F	P
Between Groups	2	147.816	73.908	0.407	0.670
Residual	23	4178.359	181.668		
Total	25	4326.174			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.670).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:21:10

Data source: 5I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.110)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.818)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	101.446	17.312	5.474
L3	11	0	98.980	14.940	4.505
L5	13	8	106.685	13.513	6.043

Source of Variation	DF	SS	MS	F	P
Between Groups	2	204.111	102.055	0.415	0.665
Residual	23	5659.812	246.079		
Total	25	5863.923			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.665).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:24:10

Data source: 5S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.581)

Equal Variance Test (Brown-Forsythe): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 12:24:10

Data source: 5S in 4wks 2y Tb.Th

Group	N	Missing	Median	25%	75%
L1	11	1	93.412	82.969	97.920
L3	11	0	93.710	85.118	99.880
L5	13	8	103.651	84.986	130.118

H = 2.340 with 2 degrees of freedom. (P = 0.310)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.310)

One Way Analysis of Variance

21 January 2019 12:27:27

Data source: 6C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.058)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.794)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	112.144	23.184	7.331
L3	11	0	102.689	13.068	3.940
L5	13	8	108.254	19.108	8.545

Source of Variation	DF	SS	MS	F	P
Between Groups	2	472.798	236.399	0.679	0.517
Residual	23	8005.732	348.075		
Total	25	8478.530			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.517).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:26:38

Data source: 6I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.180)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.909)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	100.969	16.524	5.225
L3	11	0	97.416	13.148	3.964
L5	13	8	102.544	11.218	5.017

Source of Variation	DF	SS	MS	F	P
Between Groups	2	113.806	56.903	0.279	0.759
Residual	23	4689.346	203.885		
Total	25	4803.152			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.759).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:28:08

Data source: 6S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.334)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.060)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	92.833	13.402	4.238
L3	11	0	91.614	11.000	3.317
L5	13	8	108.004	20.570	9.199

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1017.118	508.559	2.588	0.097
Residual	23	4519.105	196.483		
Total	25	5536.223			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.097).

Power of performed test with alpha = 0.050: 0.301

The power of the performed test (0.301) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:30:01

Data source: 7C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.652)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.637)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	103.290	15.237	4.818
L3	11	0	98.440	12.356	3.725
L5	13	8	111.056	16.912	7.563

Source of Variation	DF	SS	MS	F	P
Between Groups	2	552.140	276.070	1.334	0.283
Residual	23	4760.198	206.965		
Total	25	5312.338			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.283).

Power of performed test with alpha = 0.050: 0.097

The power of the performed test (0.097) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:29:11

Data source: 7I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.502)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.675)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	99.335	16.604	5.251
L3	11	0	96.145	14.900	4.492
L5	13	8	109.209	10.845	4.850

Source of Variation	DF	SS	MS	F	P
Between Groups	2	591.563	295.781	1.315	0.288
Residual	23	5171.709	224.857		
Total	25	5763.272			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.288).

Power of performed test with alpha = 0.050: 0.094

The power of the performed test (0.094) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:31:10

Data source: 7S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.253)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.647)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	96.013	16.544	5.232
L3	11	0	92.086	14.820	4.468
L5	13	8	102.563	20.271	9.065

Source of Variation	DF	SS	MS	F	P
Between Groups	2	379.931	189.966	0.693	0.510
Residual	23	6303.456	274.063		
Total	25	6683.388			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.510).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:33:30

Data source: 8C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Failed (P < 0.050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

21 January 2019 12:33:30

Data source: 8C in 4wks 2y Tb.Th

Group	N	Missing	Median	25%	75%
L1	11	1	134.877	107.456	146.725
L3	11	0	136.824	118.456	145.808
L5	13	8	162.576	132.002	167.575

H = 3.684 with 2 degrees of freedom. (P = 0.159)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.159)

One Way Analysis of Variance

21 January 2019 12:32:36

Data source: 8I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.280)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.481)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	99.895	18.743	5.927
L3	11	0	95.936	14.109	4.254
L5	13	8	109.303	21.804	9.751

Source of Variation	DF	SS	MS	F	P
Between Groups	2	614.474	307.237	1.002	0.383
Residual	23	7053.936	306.693		
Total	25	7668.411			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.383).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:36:36

Data source: 8S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.496)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.855)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	108.803	21.627	6.839
L3	11	0	104.446	17.201	5.186
L5	13	8	106.862	17.737	7.932

Source of Variation	DF	SS	MS	F	P
Between Groups	2	99.950	49.975	0.136	0.873
Residual	23	8426.519	366.370		
Total	25	8526.469			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.873).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:38:05

Data source: 9C in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.541)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.370)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	103.000	14.980	4.737
L3	11	0	99.173	12.964	3.909
L5	13	8	114.421	23.194	10.372

Source of Variation	DF	SS	MS	F	P
Between Groups	2	804.630	402.315	1.581	0.227
Residual	23	5851.983	254.434		
Total	25	6656.613			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.227).

Power of performed test with alpha = 0.050: 0.135

The power of the performed test (0.135) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:37:17

Data source: 9I in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.780)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.916)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	103.239	18.321	5.794
L3	11	0	97.858	15.132	4.562
L5	13	8	106.563	12.485	5.583

Source of Variation	DF	SS	MS	F	P
Between Groups	2	304.071	152.035	0.589	0.563
Residual	23	5934.086	258.004		
Total	25	6238.157			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.563).

Power of performed test with alpha = 0.050: 0.050

The power of the performed test (0.050) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

One Way Analysis of Variance

21 January 2019 12:38:49

Data source: 9S in 4wks 2y Tb.Th

Normality Test (Shapiro-Wilk): Passed (P = 0.163)

Equal Variance Test (Brown-Forsythe): Passed (P = 0.594)

Group Name	N	Missing	Mean	Std Dev	SEM
L1	11	1	94.332	14.533	4.596
L3	11	0	92.285	14.249	4.296
L5	13	8	107.833	18.580	8.309

Source of Variation	DF	SS	MS	F	P
Between Groups	2	879.661	439.830	1.904	0.172
Residual	23	5312.154	230.963		
Total	25	6191.814			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0.172).

Power of performed test with alpha = 0.050: 0.187

The power of the performed test (0.187) is below the desired power of 0.800. Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.