

Table Analyzed	histo GILL				
Data sets analyzed	A-D				
ANOVA summary					
F					7.648
P value					0.0013
P value summary				**	
Significant diff. among means (P < 0.05)?	Yes				
R square					0.5343
Brown-Forsythe test					
F (DFn, DFd)					4.842 (3, 20)
P value					0.0108
P value summary				*	
Are SDs significantly different (P < 0.05)?	Yes				
Bartlett's test					
Bartlett's statistic (corrected)					12.51
P value					0.0058
P value summary				**	
Are SDs significantly different (P < 0.05)?	Yes				
ANOVA table					
	SS	DF	MS	F (DFn, DF)	P value
Treatment (between columns)	260.4	3	86.79	F (3, 20) =	P=0.0013
Residual (within columns)	227	20	11.35		
Total	487.3	23			
Data summary					
Number of treatments (columns)		4			
Number of values (total)		24			
Number of families		1			
Number of comparisons per family		6			
Alpha		0.05			
Tukey's multiple comparisons test					
	Mean Diff.	95.00% CI	Significant?	Summary	Adjusted P
control vs. 70	-7.458	-12.55 to -2	Yes	**	0.0029
control vs. 140	-5.583	-11.67 to 0	No	ns	0.0794
control vs. 200	-8.333	-13.78 to -2	Yes	**	0.0019
70 vs. 140	1.875	-3.899 to 7	No	ns	0.8003
70 vs. 200	-0.875	-5.967 to 4	No	ns	0.9624
140 vs. 200	-2.75	-8.836 to 3	No	ns	0.5948
Test details					
	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1
control vs. 70	0.6667	8.125	-7.458	1.819	6
control vs. 140	0.6667	6.25	-5.583	2.174	6
control vs. 200	0.6667	9	-8.333	1.945	6
70 vs. 140	8.125	6.25	1.875	2.063	8

70 vs. 200	8.125	9	-0.875	1.819	8
140 vs. 200	6.25	9	-2.75	2.174	4

Value  
A-B  
A-C  
A-D  
B-C  
B-D  
C-D

n2	q	DF
8	5.798	20
4	3.631	20
6	6.059	20
4	1.285	20

6	0.6802	20
6	1.789	20

Table Analyzed histo LIVER  
 Data sets analyzed A-D

ANOVA summary

F 32.15  
 P value <0.0001  
 P value summary \*\*\*\*  
 Significant diff. among means (P < 0.05)? Yes  
 R square 0.7813

Brown-Forsythe test

F (DFn, DFd) 1.867 (3, 27)  
 P value 0.1591  
 P value summary ns  
 Are SDs significantly different (P < 0.05)? No

Bartlett's test

Bartlett's statistic (corrected) 31.64  
 P value <0.0001  
 P value summary \*\*\*\*  
 Are SDs significantly different (P < 0.05)? Yes

ANOVA table

	SS	DF	MS	F (DFn, DF P value
Treatment (between columns)	516.7	3	172.2	F (3, 27) = P<0.0001
Residual (within columns)	144.7	27	5.358	
Total	661.4	30		

Data summary

Number of treatments (columns) 4  
 Number of values (total) 31

Number of families 1  
 Number of comparisons per family 6  
 Alpha 0.05

Tukey's multiple comparisons test

	Mean Diff.	95.00% CI	Significant?	Summary	Adjusted P
control vs. 70	-5.639	-8.717 to -2	Yes	***	0.0002
control vs. 140	-7.603	-10.80 to -4	Yes	****	<0.0001
control vs. 200	-11.03	-14.22 to -7	Yes	****	<0.0001
70 vs. 140	-1.964	-5.243 to 1	No	ns	0.3743
70 vs. 200	-5.393	-8.671 to -2	Yes	***	0.0006
140 vs. 200	-3.429	-6.815 to 0	Yes	*	0.0464

Test details

	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1
control vs. 70	0.1111	5.75	-5.639	1.125	9
control vs. 140	0.1111	7.714	-7.603	1.167	9
control vs. 200	0.1111	11.14	-11.03	1.167	9

70 vs. 140	5.75	7.714	-1.964	1.198	8
70 vs. 200	5.75	11.14	-5.393	1.198	8
140 vs. 200	7.714	11.14	-3.429	1.237	7

Value  
A-B  
A-C  
A-D  
B-C  
B-D  
C-D

n2	q	DF
8	7.09	27
7	9.217	27
7	13.37	27

7	2.319	27
7	6.366	27
7	3.919	27



Table Analyzed		AChE adults				
Data sets analyzed	A-D					
ANOVA summary						
F	0.4979					
P value	0.6906					
P value summary	ns					
Significant diff. among means (P < 0.05)?	No					
R square	0.1107					
Brown-Forsythe test						
F (DFn, DFd)	2.004 (3, 12)					
P value	0.1672					
P value summary	ns					
Are SDs significantly different (P < 0.05)?	No					
Bartlett's test						
Bartlett's statistic (corrected)	3					
P value	0.3916					
P value summary	ns					
Are SDs significantly different (P < 0.05)?	No					
ANOVA table						
	SS	DF				
Treatment (between columns)	1064521	3				
Residual (within columns)	8551773	12				
Total	9616294	15				
Data summary						
Number of treatments (columns)	4					
Number of values (total)	16					
Number of families	1					
Number of comparisons per family	6					
Alpha	0.05					
Tukey's multiple comparisons test						
	Mean Diff.	95.00% CI of diff.	Significant?	Summary	Adjusted P	
control vs. 1	665.8	-1106 to 2438	No	ns	0.6875	
control vs. 2	423.3	-1349 to 2195	No	ns	0.8916	
control vs. 3	134.8	-1637 to 1907	No	ns	0.9957	
1 vs. 2	-242.5	-2015 to 1530	No	ns	0.9763	
1 vs. 3	-531	-2303 to 1241	No	ns	0.8104	
2 vs. 3	-288.5	-2061 to 1484	No	ns	0.9614	
Test details						
	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	
control vs. 1	2723	2057	665.8	596.9	4	
control vs. 2	2723	2299	423.3	596.9	4	
control vs. 3	2723	2588	134.8	596.9	4	
1 vs. 2	2057	2299	-242.5	596.9	4	
1 vs. 3	2057	2588	-531	596.9	4	
2 vs. 3	2299	2588	-288.5	596.9	4	

Value

A-B

A-C

A-D

B-C

B-D

C-D

n2	q	DF
4	1.577	12
4	1.003	12
4	0.3192	12
4	0.5745	12
4	1.258	12
4	0.6835	12

MS            F (DFn, DF P value  
354840 F (3, 12) = P=0.6906  
712648

Table Analyzed MN adultos  
 Data sets analyzed A-D

ANOVA summary

F 1.797  
 P value 0.1689  
 P value summary ns  
 Significant diff. among means (P < 0.05)? No  
 R square 0.1524

Brown-Forsythe test

F (DFn, DFd) 1.797 (3, 30)  
 P value 0.1689  
 P value summary ns  
 Are SDs significantly different (P < 0.05)? No

Bartlett's test

Bartlett's statistic (corrected)  
 P value  
 P value summary  
 Are SDs significantly different (P < 0.05)?

ANOVA table	SS	DF	MS	F (DFn, DF P value
Treatment (between columns)	1.792	3	0.5975	F (3, 30) = P=0.1689
Residual (within columns)	9.972	30	0.3324	
Total	11.76	33		

Data summary

Number of treatments (columns) 4  
 Number of values (total) 34

Number of families 1  
 Number of comparisons per family 6  
 Alpha 0.05

Tukey's multiple comparisons test

	Mean Diff.	95.00% CI	Significant?	Summary	Adjusted P
control vs. 70	-0.4444	-1.183 to 0.	No	ns	0.3749
control vs. 140	-0.375	-1.137 to 0.	No	ns	0.5464
control vs. 200	-0.625	-1.387 to 0.	No	ns	0.138
70 vs. 140	0.06944	-0.6923 to (	No	ns	0.9945
70 vs. 200	-0.1806	-0.9423 to (	No	ns	0.9166
140 vs. 200	-0.25	-1.034 to 0.	No	ns	0.8216

Test details

	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1
control vs. 70	0	0.4444	-0.4444	0.2718	9
control vs. 140	0	0.375	-0.375	0.2802	9
control vs. 200	0	0.625	-0.625	0.2802	9
70 vs. 140	0.4444	0.375	0.06944	0.2802	9

70 vs. 200	0.4444	0.625	-0.1806	0.2802	9
140 vs. 200	0.375	0.625	-0.25	0.2883	8

Table Analyzed	MN adultos
Column B	70
vs.	vs.
Column A	control
Mann Whitney test	
P value	0.0824
Exact or approximate P value?	Exact
P value summary	ns
Significantly different (P < 0.05)?	No
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,B	67.50 , 103.5
Mann-Whitney U	22.5
Difference between medians	
Median of column A	0.000, n=9
Median of column B	0.000, n=9
Difference: Actual	0
Difference: Hodges-Lehmann	0

Table Analyzed	MN adultos
Column C	140
vs.	vs.
Column A	control
Mann Whitney test	
P value	0.0824
Exact or approximate P value?	Exact
P value summary	ns
Significantly different (P < 0.05)?	No
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,C	67.50 , 85.50
Mann-Whitney U	22.5
Difference between medians	
Median of column A	0.000, n=9
Median of column C	0.000, n=8
Difference: Actual	0
Difference: Hodges-Lehmann	0

Value  
A-B  
A-C  
A-D  
B-C  
B-D  
C-D

n2	q	DF
9	2.313	30
8	1.893	30
8	3.155	30
8	0.3506	30

Table Analyzed	MN adultos
Column D	200
vs.	vs.

8	0.9114	30
8	1.226	30

Column A	control
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Mann Whitney test

P value	0.0824
Exact or approximate P value?	Exact
P value summary	ns
Significantly different (P < 0.05)?	No
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,D	67.50 , 85.50
Mann-Whitney U	22.5

Difference between medians

Median of column A	0.000, n=9
Median of column D	0.000, n=8
Difference: Actual	0
Difference: Hodges-Lehmann	0

Table Analyzed	AN adultos				
Data sets analyzed	A-D				
ANOVA summary					
F	4.021				
P value	0.0162				
P value summary	*				
Significant diff. among means (P < 0.05)?	Yes				
R square	0.2868				
Brown-Forsythe test					
F (DFn, DFd)	2.495 (3, 30)				
P value	0.0789				
P value summary	ns				
Are SDs significantly different (P < 0.05)?	No				
Bartlett's test					
Bartlett's statistic (corrected)	7.628				
P value	0.0544				
P value summary	ns				
Are SDs significantly different (P < 0.05)?	No				
ANOVA table					
	SS	DF	MS	F (DFn, DF P value	
Treatment (between columns)	1.545	3	0.5149	F (3, 30) = P=0.0162	
Residual (within columns)	3.842	30	0.1281		
Total	5.386	33			
Data summary					
Number of treatments (columns)	4				
Number of values (total)	34				
Number of families	1				
Number of comparisons per family	6				
Alpha	0.05				
Tukey's multiple comparisons test					
	Mean Diff.	95.00% CI	Significant?	Summary	Adjusted P
control vs. 70	-0.2	-0.6587 to (	No	ns	0.6404
control vs. 140	-0.1139	-0.5867 to (	No	ns	0.913
control vs. 200	-0.5764	-1.049 to -0	Yes	*	0.0122
70 vs. 140	0.08611	-0.3867 to (	No	ns	0.9595
70 vs. 200	-0.3764	-0.8492 to (	No	ns	0.1564
140 vs. 200	-0.4625	-0.9490 to (	No	ns	0.0671
Test details					
	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1
control vs. 70	0.2111	0.4111	-0.2	0.1687	9
control vs. 140	0.2111	0.325	-0.1139	0.1739	9
control vs. 200	0.2111	0.7875	-0.5764	0.1739	9
70 vs. 140	0.4111	0.325	0.08611	0.1739	9



70 vs. 200	0.4111	0.7875	-0.3764	0.1739	9
140 vs. 200	0.325	0.7875	-0.4625	0.1789	8

Table Analyzed	AN adultos
Column B	70
vs.	vs.
Column A	control
Mann Whitney test	
P value	0.0966
Exact or approximate P value?	Exact
P value summary	ns
Significantly different (P < 0.05)?	No
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,B	66.50 , 104.5
Mann-Whitney U	21.5
Difference between medians	
Median of column A	0.2000, n=9
Median of column B	0.4000, n=9
Difference: Actual	0.2
Difference: Hodges-Lehmann	0.2

Table Analyzed	AN adultos
Column C	140
vs.	vs.
Column A	control
Mann Whitney test	
P value	0.4768
Exact or approximate P value?	Exact
P value summary	ns
Significantly different (P < 0.05)?	No
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,C	73 , 80
Mann-Whitney U	28
Difference between medians	
Median of column A	0.2000, n=9
Median of column C	0.2500, n=8
Difference: Actual	0.05
Difference: Hodges-Lehmann	0.1

Value  
A-B  
A-C  
A-D  
B-C  
B-D  
C-D

n2	q	DF
9	1.677	30
8	0.9263	30
8	4.688	30
8	0.7004	30

Table Analyzed AN adultos

8	3.061	30
8	3.656	30

Column D	200
vs.	vs.
Column A	control

Mann Whitney test	
P value	0.0101
Exact or approximate P value?	Exact
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Sum of ranks in column A,D	55 , 98
Mann-Whitney U	10

Difference between medians	
Median of column A	0.2000, n=9
Median of column D	0.6500, n=8
Difference: Actual	0.45
Difference: Hodges-Lehmann	0.4