The GLM Procedure

Class Level Information		
Class	**Levels**	**Values**
replicate	4	1 2 3 4
treatment	6	1 2 3 4 5 6
number	6	5 6 7 8 9 10

Number of Observations Read	144
Number of Observations Used	138

The GLM Procedure

Dependent Variable: assessment

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	52	93296.12735	1794.15630	1790.64	<.0001
Error	85	85.16669	1.00196		
Corrected Total	137	93381.29405			

R-Square	Coeff Var	Root MSE	assessment Mean
0.999088	3.404023	1.000980	29.40580

Source	DF	Type I SS	Mean Square	F Value	Pr > F
replicate	3	37.55315	12.51772	12.49	<.0001
treatment	5	92597.80369	18519.56074	18483.3	<.0001
replicate*treatment	14	141.93708	10.13836	10.12	<.0001
number	5	451.79720	90.35944	90.18	<.0001
treatment*number	25	67.03625	2.68145	2.68	0.0004

Source	DF	Type III SS	Mean Square	F Value	Pr > F
replicate	3	32.72964	10.90988	10.89	<.0001
treatment	5	92597.80369	18519.56074	18483.3	<.0001
replicate*treatment	14	141.93708	10.13836	10.12	<.0001
number	5	430.29834	86.05967	85.89	<.0001
treatment*number	25	67.03625	2.68145	2.68	0.0004

The GLM Procedure

Source	Type III Expected Mean Square
replicate	Var(Error) + 6 Var(replicate*treatment) + 34 Var(replicate)
treatment	Var(Error) + 6 Var(replicate*treatment) + Q(treatment,treatment*number)
replicate*treatment	Var(Error) + 6 Var(replicate*treatment)
number	Var(Error) + Q(number,treatment*number)
treatment*number	Var(Error) + Q(treatment*number)

The GLM Procedure
Least Squares Means

Error: LINES display is not produced for effect treatment and dependent variable assessment because of non-estimable least-squares means.

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

Standard Errors and Probabilities Calculated Using the Type III MS for replicate*treatment as an Error Term

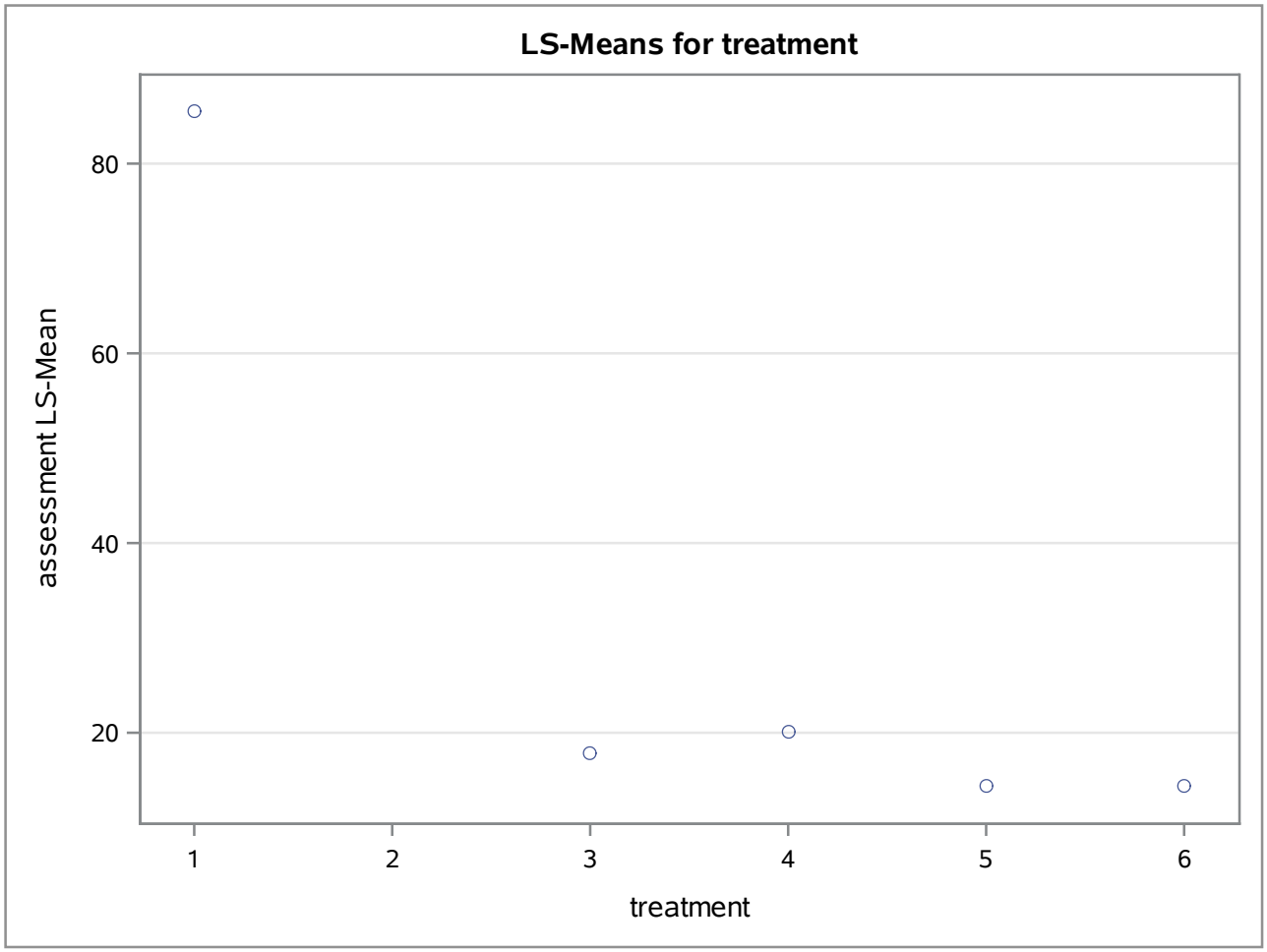
treatment	assessment LSMEAN	Standard Error	Pr > |t|	LSMEAN Number
1	85.5416753	0.6499475	<.0001	1
2	Non-est	.	.	2
3	17.8750019	0.6499475	<.0001	3
4	20.1250020	0.6499475	<.0001	4
5	14.3750014	0.6499475	<.0001	5
6	14.4166683	0.6499475	<.0001	6

Least Squares Means for effect treatment
Pr > |t| for H0: LSMean(i)=LSMean(j)

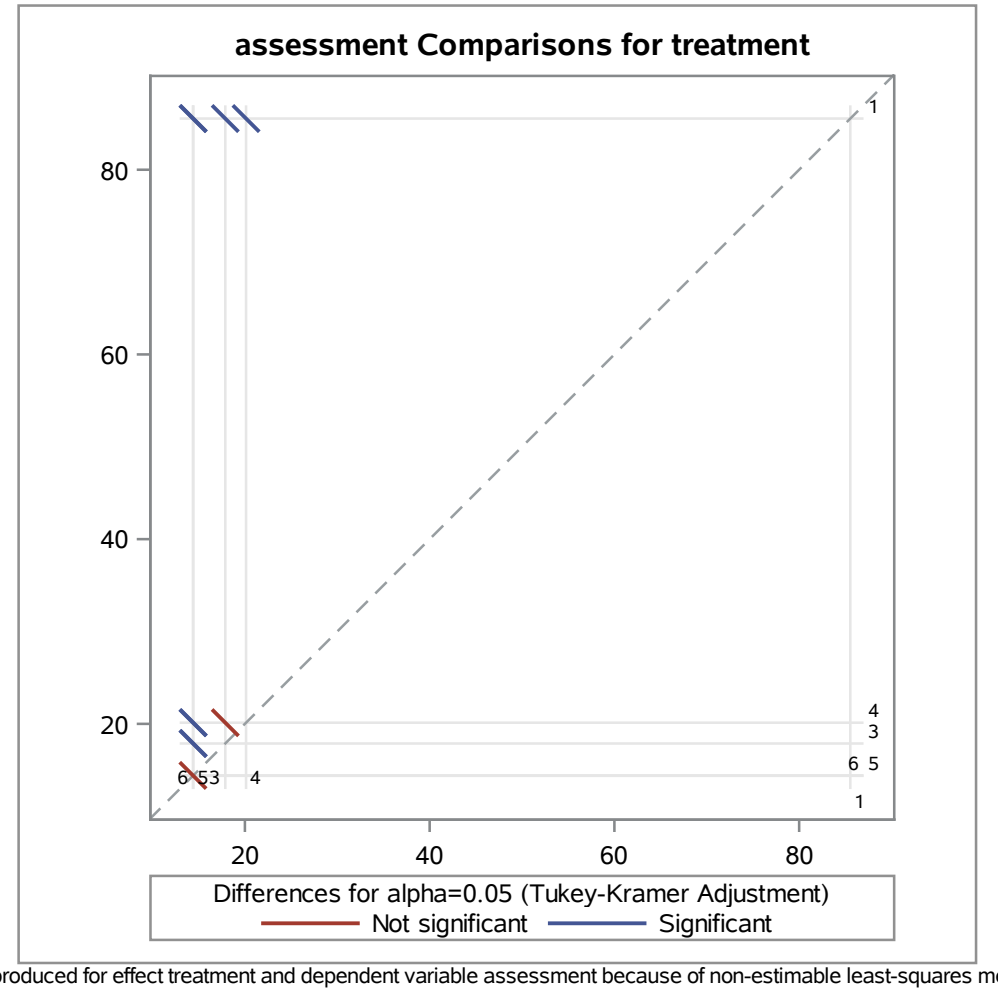
Dependent Variable: assessment

i/j	1	2	3	4	5	6
1		.	<.0001	<.0001	<.0001	<.0001
2	.		.	.	.	.
3	<.0001	.		0.1594	0.0139	0.0151
4	<.0001	.	0.1594		0.0002	0.0002
5	<.0001	.	0.0139	0.0002		1.0000
6	<.0001	.	0.0151	0.0002	1.0000	

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Error: LINES display is not produced for effect treatment and dependent variable assessment because of non-estimable least-squares means.

The GLM Procedure
Least Squares Means

Error: LINES display is not produced for effect number and dependent variable assessment because of non-estimable least-squares means.

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey

number	assessment LSMEAN	LSMEAN Number
5	Non-est	1
6	Non-est	2
7	Non-est	3
8	Non-est	4
9	Non-est	5
10	Non-est	6

Least Squares Means for effect number
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: assessment

i/j	1	2	3	4	5	6
1		<.0001	<.0001	<.0001	<.0001	<.0001
2	<.0001		0.1902	0.0001	<.0001	<.0001
3	<.0001	0.1902		0.1568	<.0001	<.0001
4	<.0001	0.0001	0.1568		0.0001	<.0001
5	<.0001	<.0001	<.0001	0.0001		0.0050
6	<.0001	<.0001	<.0001	<.0001	0.0050	

Error: LINES display is not produced for effect number and dependent variable assessment because of non-estimable least-squares means.

The GLM Procedure
Least Squares Means

Error: LINES display is not produced for effect treatment*number and dependent variable assessment because of non-estimable least-squares means.

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	assessment LSMEAN	Standard Error	Pr > |t|	LSMEAN Number
1	5	81.5000080	0.5004900	<.0001	1
1	6	83.2500083	0.5004900	<.0001	2
1	7	85.0000085	0.5004900	<.0001	3
1	8	85.7500088	0.5004900	<.0001	4
1	9	88.2500090	0.5004900	<.0001	5
1	10	89.5000090	0.5004900	<.0001	6
2	5	Non-est	.	.	7
2	6	Non-est	.	.	8
2	7	Non-est	.	.	9
2	8	Non-est	.	.	10
2	9	Non-est	.	.	11
2	10	Non-est	.	.	12
3	5	15.2500017	0.5004900	<.0001	13
3	6	16.7500017	0.5004900	<.0001	14
3	7	17.2500017	0.5004900	<.0001	15
3	8	18.0000020	0.5004900	<.0001	16
3	9	19.2500020	0.5004900	<.0001	17
3	10	20.7500020	0.5004900	<.0001	18
4	5	16.7500020	0.5004900	<.0001	19
4	6	18.2500020	0.5004900	<.0001	20
4	7	19.2500020	0.5004900	<.0001	21
4	8	21.0000020	0.5004900	<.0001	22
4	9	22.7500022	0.5004900	<.0001	23
4	10	22.7500020	0.5004900	<.0001	24
5	5	11.7500010	0.5004900	<.0001	25
5	6	13.0000010	0.5004900	<.0001	26
5	7	13.7500010	0.5004900	<.0001	27
5	8	14.0000015	0.5004900	<.0001	28
5	9	16.0000017	0.5004900	<.0001	29
5	10	17.7500020	0.5004900	<.0001	30
6	5	12.2500012	0.5004900	<.0001	31
6	6	14.0000015	0.5004900	<.0001	32
6	7	14.5000018	0.5004900	<.0001	33
6	8	15.0000018	0.5004900	<.0001	34

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	assessment LSMEAN	Standard Error	Pr > |t|	LSMEAN Number
6	**9**	15.0000018	0.5004900	<.0001	35
6	**10**	15.7500017	0.5004900	<.0001	36

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

Least Squares Means for effect treatment*number
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: assessment

i/j	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1		0.8520	0.0019	<.0001	<.0001	<.0001	.	.	.	.	.	.	<.0001	<.0001
2	0.8520		0.8520	0.1666	<.0001	<.0001	.	.	.	.	.	.	<.0001	<.0001
3	0.0019	0.8520		1.0000	0.0068	<.0001	.	.	.	.	.	.	<.0001	<.0001
4	<.0001	0.1666	1.0000		0.1666	0.0005	.	.	.	.	.	.	<.0001	<.0001
5	<.0001	<.0001	0.0068	0.1666		0.9981	.	.	.	.	.	.	<.0001	<.0001
6	<.0001	<.0001	<.0001	0.0005	0.9981		.	.	.	.	.	.	<.0001	<.0001
7	.	.	.	.	.	.		1.0000	1.0000	1.0000	0.8649	0.0369	.	.
8	.	.	.	.	.	.	1.0000		1.0000	1.0000	1.0000	0.5936	.	.
9	.	.	.	.	.	.	1.0000	1.0000		1.0000	0.9995	0.3023	.	.
10	.	.	.	.	.	.	1.0000	1.0000	1.0000		1.0000	0.5936	.	.
11	.	.	.	.	.	.	0.8649	1.0000	0.9995	1.0000		0.9995	.	.
12	.	.	.	.	.	.	0.0369	0.5936	0.3023	0.5936	0.9995		.	.
13	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.		0.9714
14	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	0.9714	
15	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	0.6160	1.0000
16	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	0.0654	0.9981
17	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	0.0001	0.1666
18	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	<.0001	0.0001
19	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	0.9714	1.0000
20	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	0.0223	0.9714
21	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	0.0001	0.1666
22	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	<.0001	<.0001
23	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	<.0001	<.0001
24	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	<.0001	<.0001
25	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	0.0019	<.0001
26	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	0.3556	0.0005
27	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	0.9714	0.0223
28	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	0.9981	0.0654
29	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	1.0000	1.0000
30	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	0.1666	1.0000
31	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	0.0223	<.0001
32	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	0.9981	0.0654
33	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	1.0000	0.3556

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

Least Squares Means for effect treatment*number
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: assessment

i/j	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
2	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
3	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
4	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
5	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
6	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
7	.	.	.	.	.	.	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.	.	.	.	.	.	.
9	.	.	.	.	.	.	.	.	.	.	.	.	.	.
10	.	.	.	.	.	.	.	.	.	.	.	.	.	.
11	.	.	.	.	.	.	.	.	.	.	.	.	.	.
12	.	.	.	.	.	.	.	.	.	.	.	.	.	.
13	0.6160	0.0654	0.0001	<.0001	0.9714	0.0223	0.0001	<.0001	<.0001	<.0001	0.0019	0.3556	0.9714	0.9981
14	1.0000	0.9981	0.1666	0.0001	1.0000	0.9714	0.1666	<.0001	<.0001	<.0001	<.0001	0.0005	0.0223	0.0654
15		1.0000	0.6160	0.0019	1.0000	1.0000	0.6160	0.0005	<.0001	<.0001	<.0001	<.0001	0.0019	0.0068
16	1.0000		0.9981	0.0654	0.9981	1.0000	0.9981	0.0223	<.0001	<.0001	<.0001	<.0001	<.0001	0.0001
17	0.6160	0.9981		0.9714	0.1666	1.0000	1.0000	0.8520	0.0019	0.0019	<.0001	<.0001	<.0001	<.0001
18	0.0019	0.0654	0.9714		0.0001	0.1666	0.9714	1.0000	0.6160	0.6160	<.0001	<.0001	<.0001	<.0001
19	1.0000	0.9981	0.1666	0.0001		0.9714	0.1666	<.0001	<.0001	<.0001	<.0001	0.0005	0.0223	0.0654
20	1.0000	1.0000	1.0000	0.1666	0.9714		1.0000	0.0654	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
21	0.6160	0.9981	1.0000	0.9714	0.1666	1.0000		0.8520	0.0019	0.0019	<.0001	<.0001	<.0001	<.0001
22	0.0005	0.0223	0.8520	1.0000	<.0001	0.0654	0.8520		0.8520	0.8520	<.0001	<.0001	<.0001	<.0001
23	<.0001	<.0001	0.0019	0.6160	<.0001	<.0001	0.0019	0.8520		1.0000	<.0001	<.0001	<.0001	<.0001
24	<.0001	<.0001	0.0019	0.6160	<.0001	<.0001	0.0019	0.8520	1.0000		<.0001	<.0001	<.0001	<.0001
25	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001		0.9981	0.6160	0.3556
26	<.0001	<.0001	<.0001	<.0001	0.0005	<.0001	<.0001	<.0001	<.0001	<.0001	0.9981		1.0000	1.0000
27	0.0019	<.0001	<.0001	<.0001	0.0223	<.0001	<.0001	<.0001	<.0001	<.0001	0.6160	1.0000		1.0000
28	0.0068	0.0001	<.0001	<.0001	0.0654	<.0001	<.0001	<.0001	<.0001	<.0001	0.3556	1.0000	1.0000	
29	0.9981	0.6160	0.0068	<.0001	1.0000	0.3556	0.0068	<.0001	<.0001	<.0001	<.0001	0.0223	0.3556	0.6160
30	1.0000	1.0000	0.9714	0.0223	1.0000	1.0000	0.9714	0.0068	<.0001	<.0001	<.0001	<.0001	0.0001	0.0005
31	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	1.0000	1.0000	0.9714	0.8520
32	0.0068	0.0001	<.0001	<.0001	0.0654	<.0001	<.0001	<.0001	<.0001	<.0001	0.3556	1.0000	1.0000	1.0000
33	0.0654	0.0019	<.0001	<.0001	0.3556	0.0005	<.0001	<.0001	<.0001	<.0001	0.0654	0.9714	1.0000	1.0000

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

Least Squares Means for effect treatment*number
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: assessment

i/j	29	30	31	32	33	34	35	36
1	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
2	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
3	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
4	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
5	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
6	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
9	.	.	.	.	.	.	.	.
10	.	.	.	.	.	.	.	.
11	.	.	.	.	.	.	.	.
12	.	.	.	.	.	.	.	.
13	1.0000	0.1666	0.0223	0.9981	1.0000	1.0000	1.0000	1.0000
14	1.0000	1.0000	<.0001	0.0654	0.3556	0.8520	0.8520	1.0000
15	0.9981	1.0000	<.0001	0.0068	0.0654	0.3556	0.3556	0.9714
16	0.6160	1.0000	<.0001	0.0001	0.0019	0.0223	0.0223	0.3556
17	0.0068	0.9714	<.0001	<.0001	<.0001	<.0001	<.0001	0.0019
18	<.0001	0.0223	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
19	1.0000	1.0000	<.0001	0.0654	0.3556	0.8520	0.8520	1.0000
20	0.3556	1.0000	<.0001	<.0001	0.0005	0.0068	0.0068	0.1666
21	0.0068	0.9714	<.0001	<.0001	<.0001	<.0001	<.0001	0.0019
22	<.0001	0.0068	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
23	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
24	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001
25	<.0001	<.0001	1.0000	0.3556	0.0654	0.0068	0.0068	0.0001
26	0.0223	<.0001	1.0000	1.0000	0.9714	0.6160	0.6160	0.0654
27	0.3556	0.0001	0.9714	1.0000	1.0000	0.9981	0.9981	0.6160
28	0.6160	0.0005	0.8520	1.0000	1.0000	1.0000	1.0000	0.8520
29		0.8520	0.0005	0.6160	0.9714	1.0000	1.0000	1.0000
30	0.8520		<.0001	0.0005	0.0068	0.0654	0.0654	0.6160
31	0.0005	<.0001		0.8520	0.3556	0.0654	0.0654	0.0019
32	0.6160	0.0005	0.8520		1.0000	1.0000	1.0000	0.8520
33	0.9714	0.0068	0.3556	1.0000		1.0000	1.0000	0.9981

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

Least Squares Means for effect treatment*number
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: assessment

i/j	1	2	3	4	5	6	7	8	9	10	11	12	13	14
34	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	1.0000	0.8520
35	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	1.0000	0.8520
36	<.0001	<.0001	<.0001	<.0001	<.0001	<.0001	.	.	.	.	.	.	1.0000	1.0000

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

Least Squares Means for effect treatment*number
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: assessment

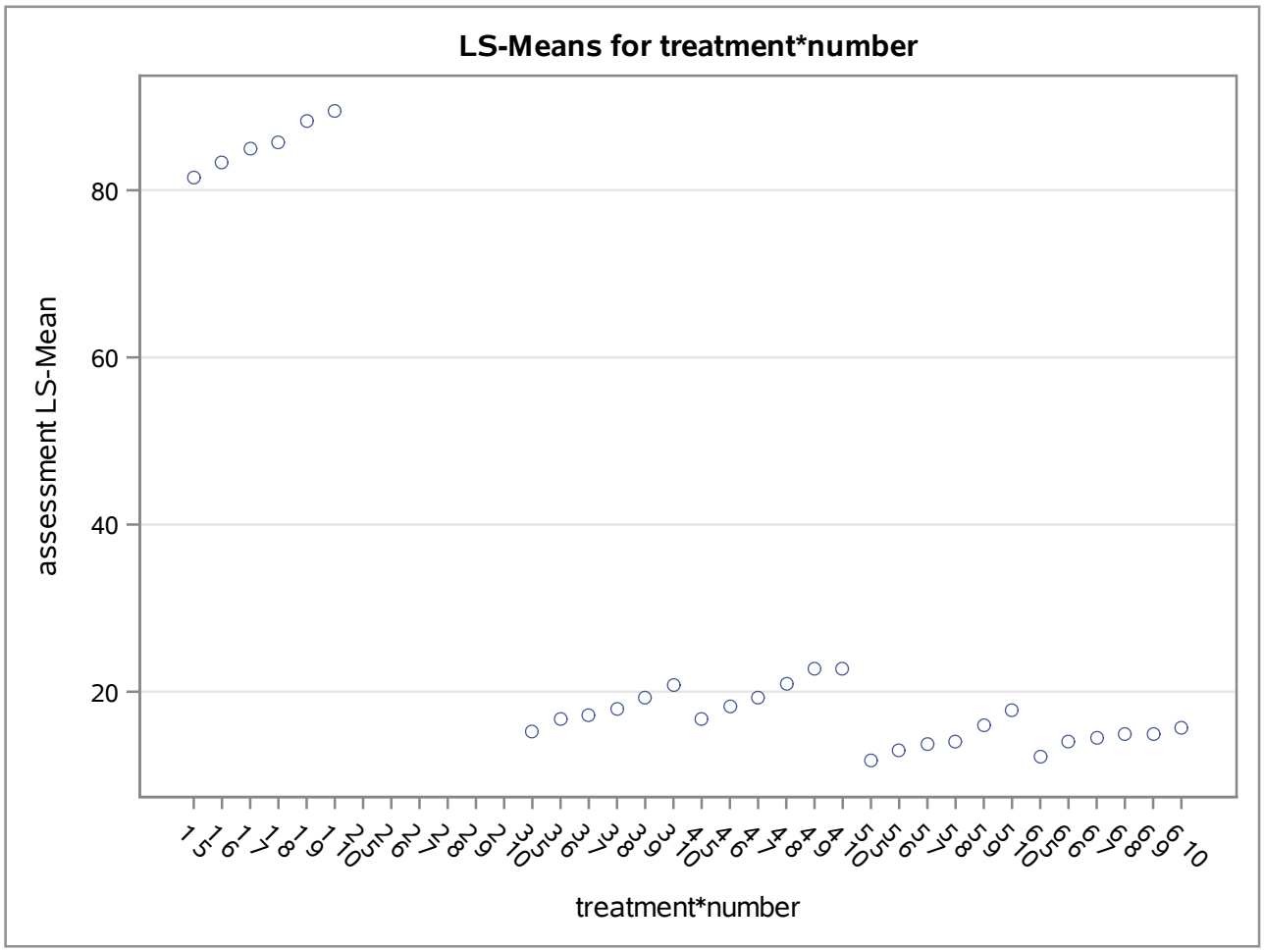
i/j	15	16	17	18	19	20	21	22	23	24	25	26	27	28
34	0.3556	0.0223	<.0001	<.0001	0.8520	0.0068	<.0001	<.0001	<.0001	<.0001	0.0068	0.6160	0.9981	1.0000
35	0.3556	0.0223	<.0001	<.0001	0.8520	0.0068	<.0001	<.0001	<.0001	<.0001	0.0068	0.6160	0.9981	1.0000
36	0.9714	0.3556	0.0019	<.0001	1.0000	0.1666	0.0019	<.0001	<.0001	<.0001	0.0001	0.0654	0.6160	0.8520

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

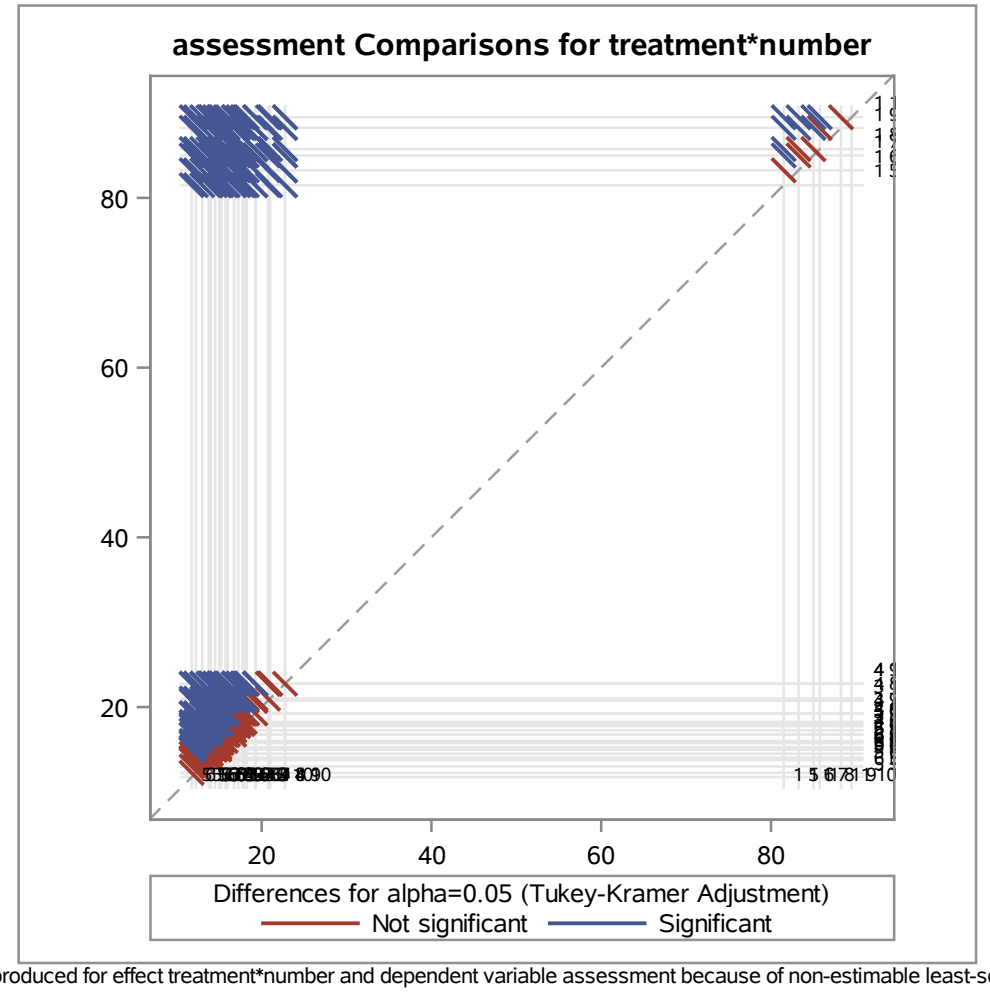
Least Squares Means for effect treatment*number
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: assessment

i/j	29	30	31	32	33	34	35	36
34	1.0000	0.0654	0.0654	1.0000	1.0000		1.0000	1.0000
35	1.0000	0.0654	0.0654	1.0000	1.0000	1.0000		1.0000
36	1.0000	0.6160	0.0019	0.8520	0.9981	1.0000	1.0000	



The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Error: LINES display is not produced for effect treatment*number and dependent variable assessment because of non-estimable least-squares means.

The GLM Procedure

Dependent Variable: assessment

Tests of Hypotheses Using the Type III MS for replicate*treatment as an Error Term					
Source	**DF**	**Type III SS**	**Mean Square**	**F Value**	**Pr > F**
treatment	5	92597.80369	18519.56074	1826.68	<.0001
replicate	3	32.72964	10.90988	1.08	0.3910

Obs	_NAME_	treatment	LSMEAN	STDERR	NUMBER	COV1	COV2	COV3	COV4	COV5	COV6
1	assessment	1	85.5417	0.64995	1	0.42243	.	0.00000	0.00000	0.00000	0.00000
2	assessment	2	.	.	2	.	.	.	.	.	.
3	assessment	3	17.8750	0.64995	3	0.00000	.	0.42243	0.00000	0.00000	0.00000
4	assessment	4	20.1250	0.64995	4	0.00000	.	0.00000	0.42243	0.00000	0.00000
5	assessment	5	14.3750	0.64995	5	0.00000	.	0.00000	0.00000	0.42243	0.00000
6	assessment	6	14.4167	0.64995	6	0.00000	.	0.00000	0.00000	0.00000	0.42243

Obs	_NAME_	number	LSMEAN	STDERR	NUMBER2	COV1	COV2	COV3	COV4	COV5	COV6
1	assessment	5	.	.	1	.	.	.	.	.	.
2	assessment	6	.	.	2	.	.	.	.	.	.
3	assessment	7	.	.	3	.	.	.	.	.	.
4	assessment	8	.	.	4	.	.	.	.	.	.
5	assessment	9	.	.	5	.	.	.	.	.	.
6	assessment	10	.	.	6	.	.	.	.	.	.

Obs	_NAME_	treatment	number	LSMEAN	STDERR	NUMBER2	COV1	COV2	COV3	COV4	COV5
1	assessment	1	5	81.5000	0.50049	1	0.25049	0.00000	0.00000	0.00000	0.00000
2	assessment	1	6	83.2500	0.50049	2	0.00000	0.25049	0.00000	0.00000	0.00000
3	assessment	1	7	85.0000	0.50049	3	0.00000	0.00000	0.25049	0.00000	0.00000
4	assessment	1	8	85.7500	0.50049	4	0.00000	0.00000	0.00000	0.25049	0.00000
5	assessment	1	9	88.2500	0.50049	5	0.00000	0.00000	0.00000	0.00000	0.25049
6	assessment	1	10	89.5000	0.50049	6	0.00000	0.00000	0.00000	0.00000	0.00000
7	assessment	2	5	.	.	7	.	.	.	.	.
8	assessment	2	6	.	.	8	.	.	.	.	.

Obs	COV6	COV7	COV8	COV9	COV10	COV11	COV12	COV13	COV14	COV15	COV16	COV17	COV18
1	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
2	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
4	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
5	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
6	0.25049	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
7	.	.	.	.	.	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.	.	.	.	.	.

Obs	COV19	COV20	COV21	COV22	COV23	COV24	COV25	COV26	COV27	COV28	COV29	COV30
1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
2	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
4	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
5	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
6	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
7	.	.	.	.	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.	.	.	.	.

Obs	COV31	COV32	COV33	COV34	COV35	COV36
1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
2	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
4	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
5	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
6	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
7	.	.	.	.	.	.
8	.	.	.	.	.	.

Obs	_NAME_	treatment	number	LSMEAN	STDERR	NUMBER2	COV1	COV2	COV3	COV4	COV5
9	assessment	2	7	.	.	9	.	.	.	.	.
10	assessment	2	8	.	.	10	.	.	.	.	.
11	assessment	2	9	.	.	11	.	.	.	.	.
12	assessment	2	10	.	.	12	.	.	.	.	.
13	assessment	3	5	15.2500	0.50049	13	0.00000	0.00000	0.00000	0.00000	0.00000
14	assessment	3	6	16.7500	0.50049	14	0.00000	0.00000	0.00000	0.00000	0.00000
15	assessment	3	7	17.2500	0.50049	15	0.00000	0.00000	0.00000	0.00000	0.00000
16	assessment	3	8	18.0000	0.50049	16	0.00000	0.00000	0.00000	0.00000	0.00000

Obs	COV6	COV7	COV8	COV9	COV10	COV11	COV12	COV13	COV14	COV15	COV16	COV17	COV18
9	.	.	.	.	.	.	.	.	.	.	.	.	.
10	.	.	.	.	.	.	.	.	.	.	.	.	.
11	.	.	.	.	.	.	.	.	.	.	.	.	.
12	.	.	.	.	.	.	.	.	.	.	.	.	.
13	0.00000	.	.	.	.	.	.	0.25049	0.00000	0.00000	0.00000	0.00000	0.00000
14	0.00000	.	.	.	.	.	.	0.00000	0.25049	0.00000	0.00000	0.00000	0.00000
15	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.25049	0.00000	0.00000	0.00000
16	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.25049	0.00000	0.00000

Obs	COV19	COV20	COV21	COV22	COV23	COV24	COV25	COV26	COV27	COV28	COV29	COV30
9	.	.	.	.	.	.	.	.	.	.	.	.
10	.	.	.	.	.	.	.	.	.	.	.	.
11	.	.	.	.	.	.	.	.	.	.	.	.
12	.	.	.	.	.	.	.	.	.	.	.	.
13	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
14	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
15	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
16	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Obs	COV31	COV32	COV33	COV34	COV35	COV36
9	.	.	.	.	.	.
10	.	.	.	.	.	.
11	.	.	.	.	.	.
12	.	.	.	.	.	.
13	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
14	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
15	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
16	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Obs	_NAME_	treatment	number	LSMEAN	STDERR	NUMBER2	COV1	COV2	COV3	COV4	COV5
17	assessment	3	9	19.2500	0.50049	17	0.00000	0.00000	0.00000	0.00000	0.00000
18	assessment	3	10	20.7500	0.50049	18	0.00000	0.00000	0.00000	0.00000	0.00000
19	assessment	4	5	16.7500	0.50049	19	0.00000	0.00000	0.00000	0.00000	0.00000
20	assessment	4	6	18.2500	0.50049	20	0.00000	0.00000	0.00000	0.00000	0.00000
21	assessment	4	7	19.2500	0.50049	21	0.00000	0.00000	0.00000	0.00000	0.00000
22	assessment	4	8	21.0000	0.50049	22	0.00000	0.00000	0.00000	0.00000	0.00000
23	assessment	4	9	22.7500	0.50049	23	0.00000	0.00000	0.00000	0.00000	0.00000
24	assessment	4	10	22.7500	0.50049	24	0.00000	0.00000	0.00000	0.00000	0.00000

Obs	COV6	COV7	COV8	COV9	COV10	COV11	COV12	COV13	COV14	COV15	COV16	COV17	COV18
17	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.25049	0.00000
18	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.25049
19	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
20	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
21	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
22	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
23	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
24	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Obs	COV19	COV20	COV21	COV22	COV23	COV24	COV25	COV26	COV27	COV28	COV29	COV30
17	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
18	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
19	0.25049	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
20	0.00000	0.25049	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
21	0.00000	0.00000	0.25049	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
22	0.00000	0.00000	0.00000	0.25049	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
23	0.00000	0.00000	0.00000	0.00000	0.25049	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
24	0.00000	0.00000	0.00000	0.00000	0.00000	0.25049	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Obs	COV31	COV32	COV33	COV34	COV35	COV36
17	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
18	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
19	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
20	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
22	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
23	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
24	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Obs	_NAME_	treatment	number	LSMEAN	STDERR	NUMBER2	COV1	COV2	COV3	COV4	COV5
25	assessment	5	5	11.7500	0.50049	25	0.00000	0.00000	0.00000	0.00000	0.00000
26	assessment	5	6	13.0000	0.50049	26	0.00000	0.00000	0.00000	0.00000	0.00000
27	assessment	5	7	13.7500	0.50049	27	0.00000	0.00000	0.00000	0.00000	0.00000
28	assessment	5	8	14.0000	0.50049	28	0.00000	0.00000	0.00000	0.00000	0.00000
29	assessment	5	9	16.0000	0.50049	29	0.00000	0.00000	0.00000	0.00000	0.00000
30	assessment	5	10	17.7500	0.50049	30	0.00000	0.00000	0.00000	0.00000	0.00000
31	assessment	6	5	12.2500	0.50049	31	0.00000	0.00000	0.00000	0.00000	0.00000
32	assessment	6	6	14.0000	0.50049	32	0.00000	0.00000	0.00000	0.00000	0.00000

Obs	COV6	COV7	COV8	COV9	COV10	COV11	COV12	COV13	COV14	COV15	COV16	COV17	COV18
25	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
26	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
27	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
28	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
29	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
30	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
31	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
32	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Obs	COV19	COV20	COV21	COV22	COV23	COV24	COV25	COV26	COV27	COV28	COV29	COV30
25	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.25049	0.00000	0.00000	0.00000	0.00000	0.00000
26	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.25049	0.00000	0.00000	0.00000	0.00000
27	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.25049	0.00000	0.00000	0.00000
28	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.25049	0.00000	0.00000
29	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.25049	0.00000
30	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.25049
31	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
32	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Obs	COV31	COV32	COV33	COV34	COV35	COV36
25	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
26	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
27	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
28	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
29	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
30	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
31	0.25049	0.00000	0.00000	0.00000	0.00000	0.00000
32	0.00000	0.25049	0.00000	0.00000	0.00000	0.00000

Obs	_NAME_	treatment	number	LSMEAN	STDERR	NUMBER2	COV1	COV2	COV3	COV4	COV5
33	assessment	6	7	14.5000	0.50049	33	0.00000	0.00000	0.00000	0.00000	0.00000
34	assessment	6	8	15.0000	0.50049	34	0.00000	0.00000	0.00000	0.00000	0.00000
35	assessment	6	9	15.0000	0.50049	35	0.00000	0.00000	0.00000	0.00000	0.00000
36	assessment	6	10	15.7500	0.50049	36	0.00000	0.00000	0.00000	0.00000	0.00000

Obs	COV6	COV7	COV8	COV9	COV10	COV11	COV12	COV13	COV14	COV15	COV16	COV17	COV18
33	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
34	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
35	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
36	0.00000	.	.	.	.	.	.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Obs	COV19	COV20	COV21	COV22	COV23	COV24	COV25	COV26	COV27	COV28	COV29	COV30
33	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
34	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
35	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
36	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Obs	COV31	COV32	COV33	COV34	COV35	COV36
33	0.00000	0.00000	0.25049	0.00000	0.00000	0.00000
34	0.00000	0.00000	0.00000	0.25049	0.00000	0.00000
35	0.00000	0.00000	0.00000	0.00000	0.25049	0.00000
36	0.00000	0.00000	0.00000	0.00000	0.00000	0.25049

The Mixed Procedure

Model Information	
Data Set	WORK.STACKED
Dependent Variable	assessment
Covariance Structure	Variance Components
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Class Level Information		
Class	**Levels**	**Values**
replicate	4	1 2 3 4
treatment	6	1 2 3 4 5 6
number	6	5 6 7 8 9 10

Dimensions	
Covariance Parameters	3
Columns in X	49
Columns in Z	28
Subjects	1
Max Obs per Subject	138

Number of Observations	
Number of Observations Read	144
Number of Observations Used	138
Number of Observations Not Used	6

Iteration History			
Iteration	**Evaluations**	**-2 Res Log Like**	**Criterion**
0	1	433.02088952	
1	2	377.40542276	0.00000000

Convergence criteria met.

The Mixed Procedure

Covariance Parameter Estimates	
Cov Parm	**Estimate**
replicate	0.02642
replicate*treatment	1.5190
Residual	1.0020

Fit Statistics	
-2 Res Log Likelihood	377.4
AIC (Smaller is Better)	383.4
AICC (Smaller is Better)	383.7
BIC (Smaller is Better)	381.6

Solution for Random Effects							
Effect	**replicate**	**treatment**	**Estimate**	**Std Err Pred**	**DF**	**t Value**	**Pr > |t|**
replicate	1		-0.03390	0.1580	85	-0.21	0.8307
replicate	2		0.04790	0.1573	85	0.30	0.7615
replicate	3		0.03119	0.1573	85	0.20	0.8433
replicate	4		-0.04519	0.1573	85	-0.29	0.7746
replicate*treatment	1	1	-0.7578	0.7124	85	-1.06	0.2905
replicate*treatment	1	2	0	1.2325	85	0.00	1.0000
replicate*treatment	1	3	1.4946	0.7124	85	2.10	0.0389
replicate*treatment	1	4	-0.6827	0.7124	85	-0.96	0.3406
replicate*treatment	1	5	0.1432	0.7124	85	0.20	0.8412
replicate*treatment	1	6	-2.1468	0.7124	85	-3.01	0.0034
replicate*treatment	2	1	0.5199	0.7123	85	0.73	0.4674
replicate*treatment	2	2	0.7178	0.7872	85	0.91	0.3644
replicate*treatment	2	3	0.6701	0.7123	85	0.94	0.3495
replicate*treatment	2	4	-0.00562	0.7123	85	-0.01	0.9937
replicate*treatment	2	5	0.3698	0.7123	85	0.52	0.6050
replicate*treatment	2	6	0.4824	0.7123	85	0.68	0.5001
replicate*treatment	3	1	1.7363	0.7123	85	2.44	0.0169
replicate*treatment	3	2	-0.6186	0.7872	85	-0.79	0.4342
replicate*treatment	3	3	-0.3660	0.7123	85	-0.51	0.6087
replicate*treatment	3	4	0.1596	0.7123	85	0.22	0.8232
replicate*treatment	3	5	0.6852	0.7123	85	0.96	0.3388
replicate*treatment	3	6	0.1971	0.7123	85	0.28	0.7826

The Mixed Procedure

Solution for Random Effects							
Effect	**replicate**	**treatment**	**Estimate**	**Std Err Pred**	**DF**	**t Value**	**Pr > |t|**
replicate*treatment	4	1	-1.4984	0.7123	85	-2.10	0.0384
replicate*treatment	4	2	-0.09926	0.7872	85	-0.13	0.9000
replicate*treatment	4	3	-1.7987	0.7123	85	-2.53	0.0134
replicate*treatment	4	4	0.5287	0.7123	85	0.74	0.4599
replicate*treatment	4	5	-1.1981	0.7123	85	-1.68	0.0962
replicate*treatment	4	6	1.4672	0.7123	85	2.06	0.0425

Type 3 Tests of Fixed Effects				
Effect	**Num DF**	**Den DF**	**F Value**	**Pr > F**
number	5	85	85.89	<.0001
treatment	5	14	1830.83	<.0001
treatment*number	25	85	2.68	0.0004

The PLM Procedure

Store Information	
Item Store	WORK.SPLITMIXED
Data Set Created From	WORK.STACKED
Created By	PROC MIXED
Date Created	03NOV18:14:50:14
Response Variable	assessment
Distribution	Normal
Class Variables	replicate treatment number
Model Effects	Intercept number treatment treatment*number

Class Level Information		
Class	**Levels**	**Values**
replicate	4	1 2 3 4
treatment	6	1 2 3 4 5 6
number	6	5 6 7 8 9 10

number Least Squares Means

number	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper	Cov1	Cov2	Cov3	Cov4	Cov5	Cov6
5	26.4148	0.3428	85	77.05	<.0001	0.05	25.7331	27.0964	0.1175	0.07347	0.07347	0.07347	0.07347	0.07347
6	27.8731	0.3428	85	81.30	<.0001	0.05	27.1915	28.5548	0.07347	0.1175	0.07347	0.07347	0.07347	0.07347
7	28.5676	0.3428	85	83.33	<.0001	0.05	27.8859	29.2492	0.07347	0.07347	0.1175	0.07347	0.07347	0.07347
8	29.2898	0.3428	85	85.43	<.0001	0.05	28.6081	29.9714	0.07347	0.07347	0.07347	0.1175	0.07347	0.07347
9	30.7065	0.3428	85	89.57	<.0001	0.05	30.0248	31.3881	0.07347	0.07347	0.07347	0.07347	0.1175	0.07347
10	31.8037	0.3428	85	92.77	<.0001	0.05	31.1220	32.4853	0.07347	0.07347	0.07347	0.07347	0.07347	0.1175

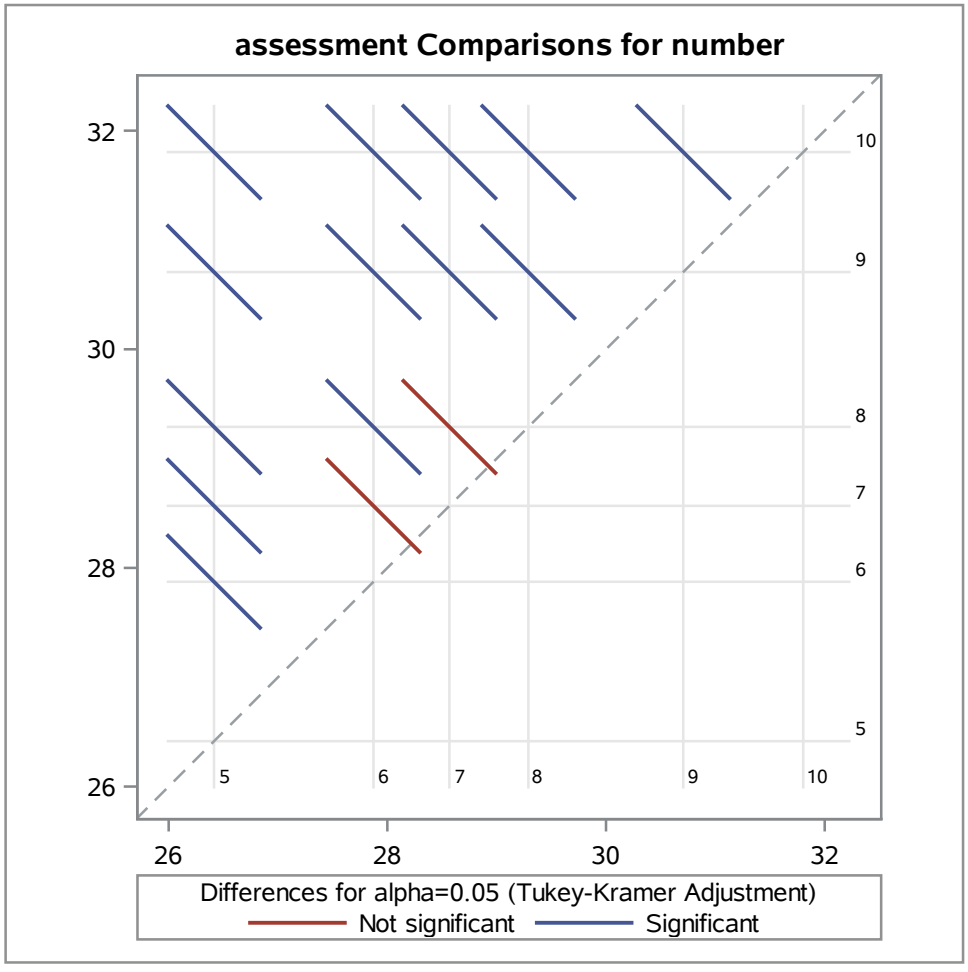
number Least Squares Means

number	Corr1	Corr2	Corr3	Corr4	Corr5	Corr6
5	1.0000	0.6251	0.6251	0.6251	0.6251	0.6251
6	0.6251	1.0000	0.6251	0.6251	0.6251	0.6251
7	0.6251	0.6251	1.0000	0.6251	0.6251	0.6251
8	0.6251	0.6251	0.6251	1.0000	0.6251	0.6251
9	0.6251	0.6251	0.6251	0.6251	1.0000	0.6251
10	0.6251	0.6251	0.6251	0.6251	0.6251	1.0000

The PLM Procedure

Differences of number Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

number	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper	Adj Lower	Adj Upper
5	6	-1.4583	0.2969	85	-4.91	<.0001	<.0001	0.05	-2.0486	-0.8681	-2.3239	-0.5927
5	7	-2.1528	0.2969	85	-7.25	<.0001	<.0001	0.05	-2.7430	-1.5625	-3.0184	-1.2872
5	8	-2.8750	0.2969	85	-9.68	<.0001	<.0001	0.05	-3.4653	-2.2847	-3.7406	-2.0094
5	9	-4.2917	0.2969	85	-14.46	<.0001	<.0001	0.05	-4.8819	-3.7014	-5.1573	-3.4261
5	10	-5.3889	0.2969	85	-18.15	<.0001	<.0001	0.05	-5.9792	-4.7986	-6.2545	-4.5233
6	7	-0.6944	0.2969	85	-2.34	0.0217	0.1902	0.05	-1.2847	-0.1042	-1.5601	0.1712
6	8	-1.4167	0.2969	85	-4.77	<.0001	0.0001	0.05	-2.0069	-0.8264	-2.2823	-0.5511
6	9	-2.8333	0.2969	85	-9.54	<.0001	<.0001	0.05	-3.4236	-2.2431	-3.6989	-1.9677
6	10	-3.9306	0.2969	85	-13.24	<.0001	<.0001	0.05	-4.5208	-3.3403	-4.7962	-3.0649
7	8	-0.7222	0.2969	85	-2.43	0.0171	0.1568	0.05	-1.3125	-0.1320	-1.5878	0.1434
7	9	-2.1389	0.2969	85	-7.20	<.0001	<.0001	0.05	-2.7292	-1.5486	-3.0045	-1.2733
7	10	-3.2361	0.2969	85	-10.90	<.0001	<.0001	0.05	-3.8264	-2.6458	-4.1017	-2.3705
8	9	-1.4167	0.2969	85	-4.77	<.0001	0.0001	0.05	-2.0069	-0.8264	-2.2823	-0.5511
8	10	-2.5139	0.2969	85	-8.47	<.0001	<.0001	0.05	-3.1042	-1.9236	-3.3795	-1.6483
9	10	-1.0972	0.2969	85	-3.70	0.0004	0.0050	0.05	-1.6875	-0.5070	-1.9628	-0.2316



The PLM Procedure

Tukey-Kramer Grouping for number Least Squares Means (Alpha=0.05)			
LS-means with the same letter are not significantly different.			
number	Estimate		
10	31.8037		A
9	30.7065		B
8	29.2898		C
			C
7	28.5676	D	C
		D	
6	27.8731	D	
5	26.4148		E

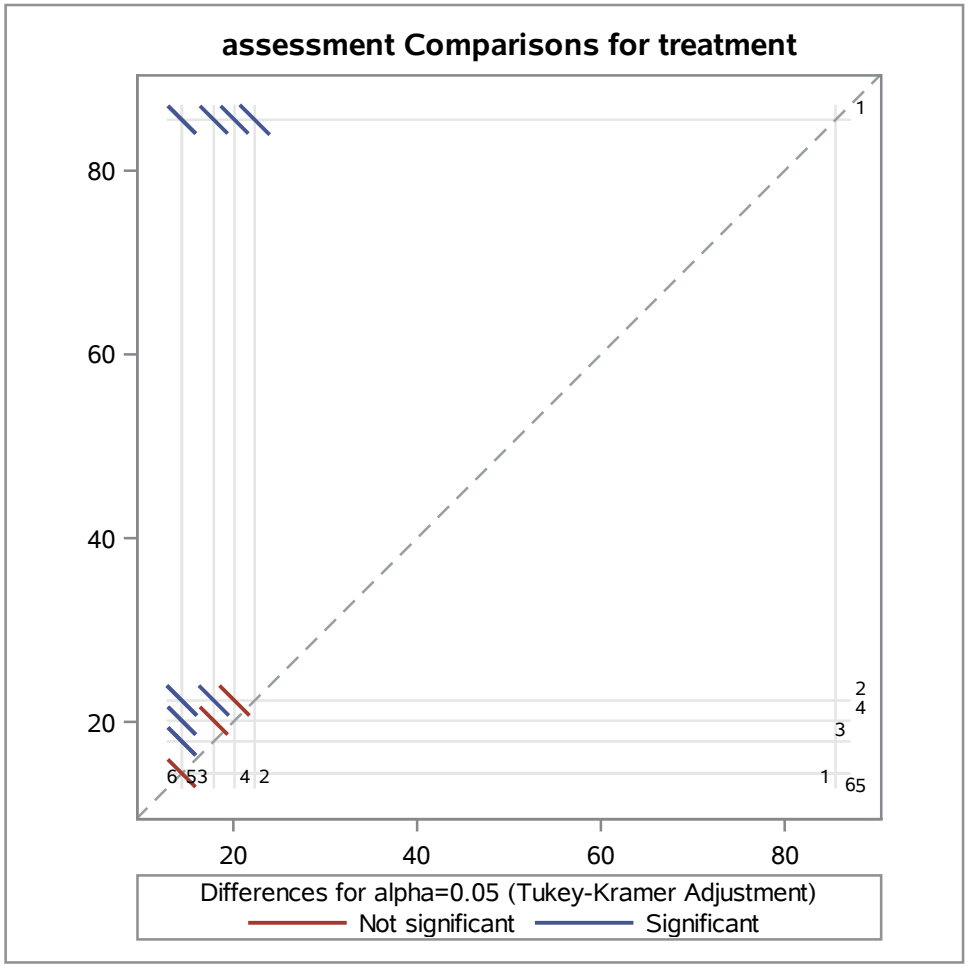
treatment Least Squares Means												
treatment	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper	Cov1	Cov2	Cov3	Cov4	Cov5
1	85.5417	0.6543	14	130.74	<.0001	0.05	84.1384	86.9450	0.4281	0.006604	0.006604	0.006604	0.006604
2	22.3220	0.7554	14	29.55	<.0001	0.05	20.7018	23.9422	0.006604	0.5706	0.006604	0.006604	0.006604
3	17.8750	0.6543	14	27.32	<.0001	0.05	16.4717	19.2783	0.006604	0.006604	0.4281	0.006604	0.006604
4	20.1250	0.6543	14	30.76	<.0001	0.05	18.7217	21.5283	0.006604	0.006604	0.006604	0.4281	0.006604
5	14.3750	0.6543	14	21.97	<.0001	0.05	12.9717	15.7783	0.006604	0.006604	0.006604	0.006604	0.4281
6	14.4167	0.6543	14	22.03	<.0001	0.05	13.0134	15.8200	0.006604	0.006604	0.006604	0.006604	0.006604

treatment Least Squares Means							
treatment	Cov6	Corr1	Corr2	Corr3	Corr4	Corr5	Corr6
1	0.006604	1.0000	0.01336	0.01543	0.01543	0.01543	0.01543
2	0.006604	0.01336	1.0000	0.01336	0.01336	0.01336	0.01336
3	0.006604	0.01543	0.01336	1.0000	0.01543	0.01543	0.01543
4	0.006604	0.01543	0.01336	0.01543	1.0000	0.01543	0.01543
5	0.006604	0.01543	0.01336	0.01543	0.01543	1.0000	0.01543
6	0.4281	0.01543	0.01336	0.01543	0.01543	0.01543	1.0000

The PLM Procedure

Differences of treatment Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	_treatment	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper	Adj Lower	Adj Upper
1	2	63.2196	0.9927	14	63.68	<.0001	<.0001	0.05	61.0904	65.3489	59.9635	66.4757
1	3	67.6667	0.9181	14	73.70	<.0001	<.0001	0.05	65.6974	69.6359	64.6552	70.6781
1	4	65.4167	0.9181	14	71.25	<.0001	<.0001	0.05	63.4474	67.3859	62.4052	68.4281
1	5	71.1667	0.9181	14	77.51	<.0001	<.0001	0.05	69.1975	73.1359	68.1552	74.1781
1	6	71.1250	0.9181	14	77.47	<.0001	<.0001	0.05	69.1558	73.0942	68.1136	74.1364
2	3	4.4470	0.9927	14	4.48	0.0005	0.0055	0.05	2.3178	6.5762	1.1909	7.7031
2	4	2.1970	0.9927	14	2.21	0.0440	0.2911	0.05	0.06782	4.3262	-1.0591	5.4531
2	5	7.9470	0.9927	14	8.01	<.0001	<.0001	0.05	5.8178	10.0762	4.6909	11.2031
2	6	7.9054	0.9927	14	7.96	<.0001	<.0001	0.05	5.7762	10.0346	4.6493	11.1615
3	4	-2.2500	0.9181	14	-2.45	0.0280	0.2042	0.05	-4.2192	-0.2808	-5.2614	0.7614
3	5	3.5000	0.9181	14	3.81	0.0019	0.0189	0.05	1.5308	5.4692	0.4886	6.5114
3	6	3.4583	0.9181	14	3.77	0.0021	0.0206	0.05	1.4891	5.4276	0.4469	6.4698
4	5	5.7500	0.9181	14	6.26	<.0001	0.0002	0.05	3.7808	7.7192	2.7386	8.7614
4	6	5.7083	0.9181	14	6.22	<.0001	0.0003	0.05	3.7391	7.6776	2.6969	8.7198
5	6	-0.04167	0.9181	14	-0.05	0.9644	1.0000	0.05	-2.0109	1.9276	-3.0531	2.9698



The PLM Procedure

Tukey-Kramer Grouping for treatment Least Squares Means (Alpha=0.05)			
LS-means with the same letter are not significantly different.			
treatment	**Estimate**		
1	85.5417		A
2	22.3220		B
			B
4	20.1250	C	B
		C	
3	17.8750	C	
6	14.4167		D
			D
5	14.3750		D

The PLM Procedure

treatment*number Least Squares Means

treatment	number	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper	Cov1	Cov2	Cov3	Cov4
1	5	81.5000	0.7980	85	102.13	<.0001	0.05	79.9133	83.0867	0.6368	0.3864	0.3864	0.3864
1	6	83.2500	0.7980	85	104.32	<.0001	0.05	81.6633	84.8367	0.3864	0.6368	0.3864	0.3864
1	7	85.0000	0.7980	85	106.51	<.0001	0.05	83.4133	86.5867	0.3864	0.3864	0.6368	0.3864
1	8	85.7500	0.7980	85	107.45	<.0001	0.05	84.1633	87.3367	0.3864	0.3864	0.3864	0.6368
1	9	88.2500	0.7980	85	110.59	<.0001	0.05	86.6633	89.8367	0.3864	0.3864	0.3864	0.3864
1	10	89.5000	0.7980	85	112.15	<.0001	0.05	87.9133	91.0867	0.3864	0.3864	0.3864	0.3864
2	5	20.9887	0.9214	85	22.78	<.0001	0.05	19.1567	22.8207	0.006604	0.006604	0.006604	0.006604
2	6	21.9887	0.9214	85	23.86	<.0001	0.05	20.1567	23.8207	0.006604	0.006604	0.006604	0.006604
2	7	21.6554	0.9214	85	23.50	<.0001	0.05	19.8234	23.4873	0.006604	0.006604	0.006604	0.006604
2	8	21.9887	0.9214	85	23.86	<.0001	0.05	20.1567	23.8207	0.006604	0.006604	0.006604	0.006604
2	9	22.9887	0.9214	85	24.95	<.0001	0.05	21.1567	24.8207	0.006604	0.006604	0.006604	0.006604
2	10	24.3220	0.9214	85	26.40	<.0001	0.05	22.4901	26.1540	0.006604	0.006604	0.006604	0.006604
3	5	15.2500	0.7980	85	19.11	<.0001	0.05	13.6633	16.8367	0.006604	0.006604	0.006604	0.006604
3	6	16.7500	0.7980	85	20.99	<.0001	0.05	15.1633	18.3367	0.006604	0.006604	0.006604	0.006604
3	7	17.2500	0.7980	85	21.62	<.0001	0.05	15.6633	18.8367	0.006604	0.006604	0.006604	0.006604
3	8	18.0000	0.7980	85	22.56	<.0001	0.05	16.4133	19.5867	0.006604	0.006604	0.006604	0.006604
3	9	19.2500	0.7980	85	24.12	<.0001	0.05	17.6633	20.8367	0.006604	0.006604	0.006604	0.006604
3	10	20.7500	0.7980	85	26.00	<.0001	0.05	19.1633	22.3367	0.006604	0.006604	0.006604	0.006604
4	5	16.7500	0.7980	85	20.99	<.0001	0.05	15.1633	18.3367	0.006604	0.006604	0.006604	0.006604
4	6	18.2500	0.7980	85	22.87	<.0001	0.05	16.6633	19.8367	0.006604	0.006604	0.006604	0.006604
4	7	19.2500	0.7980	85	24.12	<.0001	0.05	17.6633	20.8367	0.006604	0.006604	0.006604	0.006604
4	8	21.0000	0.7980	85	26.32	<.0001	0.05	19.4133	22.5867	0.006604	0.006604	0.006604	0.006604
4	9	22.7500	0.7980	85	28.51	<.0001	0.05	21.1633	24.3367	0.006604	0.006604	0.006604	0.006604
4	10	22.7500	0.7980	85	28.51	<.0001	0.05	21.1633	24.3367	0.006604	0.006604	0.006604	0.006604
5	5	11.7500	0.7980	85	14.72	<.0001	0.05	10.1633	13.3367	0.006604	0.006604	0.006604	0.006604
5	6	13.0000	0.7980	85	16.29	<.0001	0.05	11.4133	14.5867	0.006604	0.006604	0.006604	0.006604
5	7	13.7500	0.7980	85	17.23	<.0001	0.05	12.1633	15.3367	0.006604	0.006604	0.006604	0.006604
5	8	14.0000	0.7980	85	17.54	<.0001	0.05	12.4133	15.5867	0.006604	0.006604	0.006604	0.006604
5	9	16.0000	0.7980	85	20.05	<.0001	0.05	14.4133	17.5867	0.006604	0.006604	0.006604	0.006604
5	10	17.7500	0.7980	85	22.24	<.0001	0.05	16.1633	19.3367	0.006604	0.006604	0.006604	0.006604
6	5	12.2500	0.7980	85	15.35	<.0001	0.05	10.6633	13.8367	0.006604	0.006604	0.006604	0.006604
6	6	14.0000	0.7980	85	17.54	<.0001	0.05	12.4133	15.5867	0.006604	0.006604	0.006604	0.006604
6	7	14.5000	0.7980	85	18.17	<.0001	0.05	12.9133	16.0867	0.006604	0.006604	0.006604	0.006604
6	8	15.0000	0.7980	85	18.80	<.0001	0.05	13.4133	16.5867	0.006604	0.006604	0.006604	0.006604

The PLM Procedure

treatment*number Least Squares Means

treatment	number	Cov5	Cov6	Cov7	Cov8	Cov9	Cov10	Cov11	Cov12	Cov13	Cov14	Cov15
1	5	0.3864	0.3864	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
1	6	0.3864	0.3864	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
1	7	0.3864	0.3864	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
1	8	0.3864	0.3864	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
1	9	0.6368	0.3864	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
1	10	0.3864	0.6368	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
2	5	0.006604	0.006604	0.8490	0.5150	0.5150	0.5150	0.5150	0.5150	0.006604	0.006604	0.006604
2	6	0.006604	0.006604	0.5150	0.8490	0.5150	0.5150	0.5150	0.5150	0.006604	0.006604	0.006604
2	7	0.006604	0.006604	0.5150	0.5150	0.8490	0.5150	0.5150	0.5150	0.006604	0.006604	0.006604
2	8	0.006604	0.006604	0.5150	0.5150	0.5150	0.8490	0.5150	0.5150	0.006604	0.006604	0.006604
2	9	0.006604	0.006604	0.5150	0.5150	0.5150	0.5150	0.8490	0.5150	0.006604	0.006604	0.006604
2	10	0.006604	0.006604	0.5150	0.5150	0.5150	0.5150	0.5150	0.8490	0.006604	0.006604	0.006604
3	5	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.6368	0.3864	0.3864
3	6	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.3864	0.6368	0.3864
3	7	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.3864	0.3864	0.6368
3	8	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.3864	0.3864	0.3864
3	9	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.3864	0.3864	0.3864
3	10	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.3864	0.3864	0.3864
4	5	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
4	6	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
4	7	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
4	8	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
4	9	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
4	10	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
5	5	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
5	6	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
5	7	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
5	8	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
5	9	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
5	10	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
6	5	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
6	6	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
6	7	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
6	8	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604

The PLM Procedure

treatment*number Least Squares Means

treatment	number	Cov16	Cov17	Cov18	Cov19	Cov20	Cov21	Cov22	Cov23	Cov24	Cov25	Cov26
1	5	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
1	6	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
1	7	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
1	8	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
1	9	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
1	10	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
2	5	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
2	6	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
2	7	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
2	8	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
2	9	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
2	10	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
3	5	0.3864	0.3864	0.3864	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
3	6	0.3864	0.3864	0.3864	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
3	7	0.3864	0.3864	0.3864	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
3	8	0.6368	0.3864	0.3864	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
3	9	0.3864	0.6368	0.3864	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
3	10	0.3864	0.3864	0.6368	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
4	5	0.006604	0.006604	0.006604	0.6368	0.3864	0.3864	0.3864	0.3864	0.3864	0.006604	0.006604
4	6	0.006604	0.006604	0.006604	0.3864	0.6368	0.3864	0.3864	0.3864	0.3864	0.006604	0.006604
4	7	0.006604	0.006604	0.006604	0.3864	0.3864	0.6368	0.3864	0.3864	0.3864	0.006604	0.006604
4	8	0.006604	0.006604	0.006604	0.3864	0.3864	0.3864	0.6368	0.3864	0.3864	0.006604	0.006604
4	9	0.006604	0.006604	0.006604	0.3864	0.3864	0.3864	0.3864	0.6368	0.3864	0.006604	0.006604
4	10	0.006604	0.006604	0.006604	0.3864	0.3864	0.3864	0.3864	0.3864	0.6368	0.006604	0.006604
5	5	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.6368	0.3864
5	6	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.3864	0.6368
5	7	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.3864	0.3864
5	8	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.3864	0.3864
5	9	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.3864	0.3864
5	10	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.3864	0.3864
6	5	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
6	6	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
6	7	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
6	8	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604

The PLM Procedure

treatment*number Least Squares Means

treatment	number	Cov27	Cov28	Cov29	Cov30	Cov31	Cov32	Cov33	Cov34	Cov35	Cov36	Corr1
1	5	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	1.0000
1	6	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.6067
1	7	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.6067
1	8	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.6067
1	9	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.6067
1	10	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.6067
2	5	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.008982
2	6	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.008982
2	7	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.008982
2	8	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.008982
2	9	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.008982
2	10	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.008982
3	5	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
3	6	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
3	7	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
3	8	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
3	9	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
3	10	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
4	5	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
4	6	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
4	7	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
4	8	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
4	9	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
4	10	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
5	5	0.3864	0.3864	0.3864	0.3864	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
5	6	0.3864	0.3864	0.3864	0.3864	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
5	7	0.6368	0.3864	0.3864	0.3864	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
5	8	0.3864	0.6368	0.3864	0.3864	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
5	9	0.3864	0.3864	0.6368	0.3864	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
5	10	0.3864	0.3864	0.3864	0.6368	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.01037
6	5	0.006604	0.006604	0.006604	0.006604	0.6368	0.3864	0.3864	0.3864	0.3864	0.3864	0.01037
6	6	0.006604	0.006604	0.006604	0.006604	0.3864	0.6368	0.3864	0.3864	0.3864	0.3864	0.01037
6	7	0.006604	0.006604	0.006604	0.006604	0.3864	0.3864	0.6368	0.3864	0.3864	0.3864	0.01037
6	8	0.006604	0.006604	0.006604	0.006604	0.3864	0.3864	0.3864	0.6368	0.3864	0.3864	0.01037

The PLM Procedure

treatment*number Least Squares Means

treatment	number	Corr2	Corr3	Corr4	Corr5	Corr6	Corr7	Corr8	Corr9	Corr10	Corr11	Corr12
1	5	0.6067	0.6067	0.6067	0.6067	0.6067	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
1	6	1.0000	0.6067	0.6067	0.6067	0.6067	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
1	7	0.6067	1.0000	0.6067	0.6067	0.6067	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
1	8	0.6067	0.6067	1.0000	0.6067	0.6067	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
1	9	0.6067	0.6067	0.6067	1.0000	0.6067	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
1	10	0.6067	0.6067	0.6067	0.6067	1.0000	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
2	5	0.008982	0.008982	0.008982	0.008982	0.008982	1.0000	0.6066	0.6066	0.6066	0.6066	0.6066
2	6	0.008982	0.008982	0.008982	0.008982	0.008982	0.6066	1.0000	0.6066	0.6066	0.6066	0.6066
2	7	0.008982	0.008982	0.008982	0.008982	0.008982	0.6066	0.6066	1.0000	0.6066	0.6066	0.6066
2	8	0.008982	0.008982	0.008982	0.008982	0.008982	0.6066	0.6066	0.6066	1.0000	0.6066	0.6066
2	9	0.008982	0.008982	0.008982	0.008982	0.008982	0.6066	0.6066	0.6066	0.6066	1.0000	0.6066
2	10	0.008982	0.008982	0.008982	0.008982	0.008982	0.6066	0.6066	0.6066	0.6066	0.6066	1.0000
3	5	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
3	6	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
3	7	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
3	8	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
3	9	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
3	10	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
4	5	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
4	6	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
4	7	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
4	8	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
4	9	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
4	10	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
5	5	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
5	6	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
5	7	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
5	8	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
5	9	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
5	10	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
6	5	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
6	6	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
6	7	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
6	8	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982

The PLM Procedure

treatment*number Least Squares Means												
treatment	number	Corr13	Corr14	Corr15	Corr16	Corr17	Corr18	Corr19	Corr20	Corr21	Corr22	Corr23
1	5	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
1	6	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
1	7	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
1	8	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
1	9	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
1	10	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
2	5	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
2	6	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
2	7	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
2	8	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
2	9	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
2	10	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
3	5	1.0000	0.6067	0.6067	0.6067	0.6067	0.6067	0.01037	0.01037	0.01037	0.01037	0.01037
3	6	0.6067	1.0000	0.6067	0.6067	0.6067	0.6067	0.01037	0.01037	0.01037	0.01037	0.01037
3	7	0.6067	0.6067	1.0000	0.6067	0.6067	0.6067	0.01037	0.01037	0.01037	0.01037	0.01037
3	8	0.6067	0.6067	0.6067	1.0000	0.6067	0.6067	0.01037	0.01037	0.01037	0.01037	0.01037
3	9	0.6067	0.6067	0.6067	0.6067	1.0000	0.6067	0.01037	0.01037	0.01037	0.01037	0.01037
3	10	0.6067	0.6067	0.6067	0.6067	0.6067	1.0000	0.01037	0.01037	0.01037	0.01037	0.01037
4	5	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	1.0000	0.6067	0.6067	0.6067	0.6067
4	6	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.6067	1.0000	0.6067	0.6067	0.6067
4	7	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.6067	0.6067	1.0000	0.6067	0.6067
4	8	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.6067	0.6067	0.6067	1.0000	0.6067
4	9	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.6067	0.6067	0.6067	0.6067	1.0000
4	10	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.6067	0.6067	0.6067	0.6067	0.6067
5	5	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
5	6	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
5	7	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
5	8	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
5	9	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
5	10	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
6	5	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
6	6	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
6	7	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
6	8	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037

The PLM Procedure

treatment*number Least Squares Means

treatment	number	Corr24	Corr25	Corr26	Corr27	Corr28	Corr29	Corr30	Corr31	Corr32	Corr33	Corr34
1	5	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
1	6	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
1	7	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
1	8	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
1	9	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
1	10	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
2	5	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
2	6	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
2	7	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
2	8	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
2	9	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
2	10	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
3	5	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
3	6	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
3	7	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
3	8	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
3	9	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
3	10	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
4	5	0.6067	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
4	6	0.6067	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
4	7	0.6067	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
4	8	0.6067	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
4	9	0.6067	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
4	10	1.0000	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
5	5	0.01037	1.0000	0.6067	0.6067	0.6067	0.6067	0.6067	0.01037	0.01037	0.01037	0.01037
5	6	0.01037	0.6067	1.0000	0.6067	0.6067	0.6067	0.6067	0.01037	0.01037	0.01037	0.01037
5	7	0.01037	0.6067	0.6067	1.0000	0.6067	0.6067	0.6067	0.01037	0.01037	0.01037	0.01037
5	8	0.01037	0.6067	0.6067	0.6067	1.0000	0.6067	0.6067	0.01037	0.01037	0.01037	0.01037
5	9	0.01037	0.6067	0.6067	0.6067	0.6067	1.0000	0.6067	0.01037	0.01037	0.01037	0.01037
5	10	0.01037	0.6067	0.6067	0.6067	0.6067	0.6067	1.0000	0.01037	0.01037	0.01037	0.01037
6	5	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	1.0000	0.6067	0.6067	0.6067
6	6	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.6067	1.0000	0.6067	0.6067
6	7	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.6067	0.6067	1.0000	0.6067
6	8	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.6067	0.6067	0.6067	1.0000

The PLM Procedure

treatment*number Least Squares Means			
treatment	number	Corr35	Corr36
1	5	0.01037	0.01037
1	6	0.01037	0.01037
1	7	0.01037	0.01037
1	8	0.01037	0.01037
1	9	0.01037	0.01037
1	10	0.01037	0.01037
2	5	0.008982	0.008982
2	6	0.008982	0.008982
2	7	0.008982	0.008982
2	8	0.008982	0.008982
2	9	0.008982	0.008982
2	10	0.008982	0.008982
3	5	0.01037	0.01037
3	6	0.01037	0.01037
3	7	0.01037	0.01037
3	8	0.01037	0.01037
3	9	0.01037	0.01037
3	10	0.01037	0.01037
4	5	0.01037	0.01037
4	6	0.01037	0.01037
4	7	0.01037	0.01037
4	8	0.01037	0.01037
4	9	0.01037	0.01037
4	10	0.01037	0.01037
5	5	0.01037	0.01037
5	6	0.01037	0.01037
5	7	0.01037	0.01037
5	8	0.01037	0.01037
5	9	0.01037	0.01037
5	10	0.01037	0.01037
6	5	0.6067	0.6067
6	6	0.6067	0.6067
6	7	0.6067	0.6067
6	8	0.6067	0.6067

The PLM Procedure

treatment*number Least Squares Means													
treatment	number	Estimate	Standard Error	DF	t Value	Pr > |t|	Alpha	Lower	Upper	Cov1	Cov2	Cov3	Cov4
6	9	15.0000	0.7980	85	18.80	<.0001	0.05	13.4133	16.5867	0.006604	0.006604	0.006604	0.006604
6	10	15.7500	0.7980	85	19.74	<.0001	0.05	14.1633	17.3367	0.006604	0.006604	0.006604	0.006604

The PLM Procedure

treatment*number Least Squares Means												
treatment	number	Cov5	Cov6	Cov7	Cov8	Cov9	Cov10	Cov11	Cov12	Cov13	Cov14	Cov15
6	9	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
6	10	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604

The PLM Procedure

treatment*number Least Squares Means												
treatment	number	Cov16	Cov17	Cov18	Cov19	Cov20	Cov21	Cov22	Cov23	Cov24	Cov25	Cov26
6	9	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604
6	10	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604	0.006604

The PLM Procedure

treatment*number Least Squares Means												
treatment	number	Cov27	Cov28	Cov29	Cov30	Cov31	Cov32	Cov33	Cov34	Cov35	Cov36	Corr1
6	9	0.006604	0.006604	0.006604	0.006604	0.3864	0.3864	0.3864	0.3864	0.6368	0.3864	0.01037
6	10	0.006604	0.006604	0.006604	0.006604	0.3864	0.3864	0.3864	0.3864	0.3864	0.6368	0.01037

The PLM Procedure

treatment*number Least Squares Means												
treatment	number	Corr2	Corr3	Corr4	Corr5	Corr6	Corr7	Corr8	Corr9	Corr10	Corr11	Corr12
6	9	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982
6	10	0.01037	0.01037	0.01037	0.01037	0.01037	0.008982	0.008982	0.008982	0.008982	0.008982	0.008982

The PLM Procedure

treatment*number Least Squares Means												
treatment	number	Corr13	Corr14	Corr15	Corr16	Corr17	Corr18	Corr19	Corr20	Corr21	Corr22	Corr23
6	9	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037
6	10	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037

The PLM Procedure

treatment*number Least Squares Means												
treatment	number	Corr24	Corr25	Corr26	Corr27	Corr28	Corr29	Corr30	Corr31	Corr32	Corr33	Corr34
6	9	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.6067	0.6067	0.6067	0.6067
6	10	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.01037	0.6067	0.6067	0.6067	0.6067

The PLM Procedure

treatment*number Least Squares Means			
treatment	**number**	**Corr35**	**Corr36**
6	9	1.0000	0.6067
6	10	0.6067	1.0000

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer												
treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
1	5	1	6	-1.7500	0.7078	85	-2.47	0.0154	0.8520	0.05	-3.1573	-0.3427
1	5	1	7	-3.5000	0.7078	85	-4.94	<.0001	0.0019	0.05	-4.9073	-2.0927
1	5	1	8	-4.2500	0.7078	85	-6.00	<.0001	<.0001	0.05	-5.6573	-2.8427
1	5	1	9	-6.7500	0.7078	85	-9.54	<.0001	<.0001	0.05	-8.1573	-5.3427
1	5	1	10	-8.0000	0.7078	85	-11.30	<.0001	<.0001	0.05	-9.4073	-6.5927
1	5	2	5	60.5113	1.2135	85	49.86	<.0001	<.0001	0.05	58.0985	62.9241
1	5	2	6	59.5113	1.2135	85	49.04	<.0001	<.0001	0.05	57.0985	61.9241
1	5	2	7	59.8446	1.2135	85	49.32	<.0001	<.0001	0.05	57.4319	62.2574
1	5	2	8	59.5113	1.2135	85	49.04	<.0001	<.0001	0.05	57.0985	61.9241
1	5	2	9	58.5113	1.2135	85	48.22	<.0001	<.0001	0.05	56.0985	60.9241
1	5	2	10	57.1780	1.2135	85	47.12	<.0001	<.0001	0.05	54.7652	59.5907
1	5	3	5	66.2500	1.1227	85	59.01	<.0001	<.0001	0.05	64.0178	68.4823
1	5	3	6	64.7500	1.1227	85	57.67	<.0001	<.0001	0.05	62.5178	66.9823
1	5	3	7	64.2500	1.1227	85	57.23	<.0001	<.0001	0.05	62.0178	66.4823
1	5	3	8	63.5000	1.1227	85	56.56	<.0001	<.0001	0.05	61.2678	65.7322
1	5	3	9	62.2500	1.1227	85	55.45	<.0001	<.0001	0.05	60.0178	64.4822
1	5	3	10	60.7500	1.1227	85	54.11	<.0001	<.0001	0.05	58.5178	62.9822
1	5	4	5	64.7500	1.1227	85	57.67	<.0001	<.0001	0.05	62.5178	66.9822
1	5	4	6	63.2500	1.1227	85	56.34	<.0001	<.0001	0.05	61.0178	65.4822
1	5	4	7	62.2500	1.1227	85	55.45	<.0001	<.0001	0.05	60.0178	64.4822
1	5	4	8	60.5000	1.1227	85	53.89	<.0001	<.0001	0.05	58.2678	62.7322
1	5	4	9	58.7500	1.1227	85	52.33	<.0001	<.0001	0.05	56.5178	60.9822
1	5	4	10	58.7500	1.1227	85	52.33	<.0001	<.0001	0.05	56.5178	60.9822
1	5	5	5	69.7500	1.1227	85	62.13	<.0001	<.0001	0.05	67.5178	71.9823
1	5	5	6	68.5000	1.1227	85	61.01	<.0001	<.0001	0.05	66.2678	70.7323
1	5	5	7	67.7500	1.1227	85	60.35	<.0001	<.0001	0.05	65.5178	69.9823
1	5	5	8	67.5000	1.1227	85	60.12	<.0001	<.0001	0.05	65.2678	69.7323
1	5	5	9	65.5000	1.1227	85	58.34	<.0001	<.0001	0.05	63.2678	67.7323
1	5	5	10	63.7500	1.1227	85	56.78	<.0001	<.0001	0.05	61.5178	65.9822
1	5	6	5	69.2500	1.1227	85	61.68	<.0001	<.0001	0.05	67.0178	71.4823
1	5	6	6	67.5000	1.1227	85	60.12	<.0001	<.0001	0.05	65.2678	69.7323
1	5	6	7	67.0000	1.1227	85	59.68	<.0001	<.0001	0.05	64.7678	69.2323
1	5	6	8	66.5000	1.1227	85	59.23	<.0001	<.0001	0.05	64.2678	68.7323
1	5	6	9	66.5000	1.1227	85	59.23	<.0001	<.0001	0.05	64.2678	68.7323

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
1	5	1	6	-4.5654	1.0654
1	5	1	7	-6.3154	-0.6846
1	5	1	8	-7.0654	-1.4346
1	5	1	9	-9.5654	-3.9346
1	5	1	10	-10.8154	-5.1846
1	5	2	5	55.6843	65.3383
1	5	2	6	54.6843	64.3383
1	5	2	7	55.0177	64.6716
1	5	2	8	54.6843	64.3383
1	5	2	9	53.6843	63.3383
1	5	2	10	52.3510	62.0049
1	5	3	5	61.7842	70.7158
1	5	3	6	60.2842	69.2158
1	5	3	7	59.7842	68.7158
1	5	3	8	59.0342	67.9658
1	5	3	9	57.7842	66.7158
1	5	3	10	56.2842	65.2158
1	5	4	5	60.2842	69.2158
1	5	4	6	58.7842	67.7158
1	5	4	7	57.7842	66.7158
1	5	4	8	56.0342	64.9658
1	5	4	9	54.2842	63.2158
1	5	4	10	54.2842	63.2158
1	5	5	5	65.2842	74.2158
1	5	5	6	64.0342	72.9658
1	5	5	7	63.2842	72.2158
1	5	5	8	63.0342	71.9658
1	5	5	9	61.0342	69.9658
1	5	5	10	59.2842	68.2158
1	5	6	5	64.7842	73.7158
1	5	6	6	63.0342	71.9658
1	5	6	7	62.5342	71.4658
1	5	6	8	62.0342	70.9658
1	5	6	9	62.0342	70.9658

The PLM Procedure

Differences of treatment*number Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
1	5	6	10	65.7500	1.1227	85	58.56	<.0001	<.0001	0.05	63.5178	67.9823
1	6	1	7	-1.7500	0.7078	85	-2.47	0.0154	0.8520	0.05	-3.1573	-0.3427
1	6	1	8	-2.5000	0.7078	85	-3.53	0.0007	0.1666	0.05	-3.9073	-1.0927
1	6	1	9	-5.0000	0.7078	85	-7.06	<.0001	<.0001	0.05	-6.4073	-3.5927
1	6	1	10	-6.2500	0.7078	85	-8.83	<.0001	<.0001	0.05	-7.6573	-4.8427
1	6	2	5	62.2613	1.2135	85	51.31	<.0001	<.0001	0.05	59.8485	64.6741
1	6	2	6	61.2613	1.2135	85	50.48	<.0001	<.0001	0.05	58.8485	63.6741
1	6	2	7	61.5946	1.2135	85	50.76	<.0001	<.0001	0.05	59.1819	64.0074
1	6	2	8	61.2613	1.2135	85	50.48	<.0001	<.0001	0.05	58.8485	63.6741
1	6	2	9	60.2613	1.2135	85	49.66	<.0001	<.0001	0.05	57.8485	62.6741
1	6	2	10	58.9280	1.2135	85	48.56	<.0001	<.0001	0.05	56.5152	61.3407
1	6	3	5	68.0000	1.1227	85	60.57	<.0001	<.0001	0.05	65.7678	70.2323
1	6	3	6	66.5000	1.1227	85	59.23	<.0001	<.0001	0.05	64.2678	68.7323
1	6	3	7	66.0000	1.1227	85	58.79	<.0001	<.0001	0.05	63.7678	68.2323
1	6	3	8	65.2500	1.1227	85	58.12	<.0001	<.0001	0.05	63.0178	67.4823
1	6	3	9	64.0000	1.1227	85	57.01	<.0001	<.0001	0.05	61.7678	66.2323
1	6	3	10	62.5000	1.1227	85	55.67	<.0001	<.0001	0.05	60.2678	64.7323
1	6	4	5	66.5000	1.1227	85	59.23	<.0001	<.0001	0.05	64.2678	68.7323
1	6	4	6	65.0000	1.1227	85	57.90	<.0001	<.0001	0.05	62.7678	67.2323
1	6	4	7	64.0000	1.1227	85	57.01	<.0001	<.0001	0.05	61.7678	66.2323
1	6	4	8	62.2500	1.1227	85	55.45	<.0001	<.0001	0.05	60.0178	64.4823
1	6	4	9	60.5000	1.1227	85	53.89	<.0001	<.0001	0.05	58.2678	62.7322
1	6	4	10	60.5000	1.1227	85	53.89	<.0001	<.0001	0.05	58.2678	62.7323
1	6	5	5	71.5000	1.1227	85	63.69	<.0001	<.0001	0.05	69.2678	73.7323
1	6	5	6	70.2500	1.1227	85	62.57	<.0001	<.0001	0.05	68.0178	72.4823
1	6	5	7	69.5000	1.1227	85	61.90	<.0001	<.0001	0.05	67.2678	71.7323
1	6	5	8	69.2500	1.1227	85	61.68	<.0001	<.0001	0.05	67.0178	71.4823
1	6	5	9	67.2500	1.1227	85	59.90	<.0001	<.0001	0.05	65.0178	69.4823
1	6	5	10	65.5000	1.1227	85	58.34	<.0001	<.0001	0.05	63.2678	67.7323
1	6	6	5	71.0000	1.1227	85	63.24	<.0001	<.0001	0.05	68.7678	73.2323
1	6	6	6	69.2500	1.1227	85	61.68	<.0001	<.0001	0.05	67.0178	71.4823
1	6	6	7	68.7500	1.1227	85	61.24	<.0001	<.0001	0.05	66.5178	70.9823
1	6	6	8	68.2500	1.1227	85	60.79	<.0001	<.0001	0.05	66.0178	70.4823
1	6	6	9	68.2500	1.1227	85	60.79	<.0001	<.0001	0.05	66.0178	70.4823

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
1	5	6	10	61.2842	70.2158
1	6	1	7	-4.5654	1.0654
1	6	1	8	-5.3154	0.3154
1	6	1	9	-7.8154	-2.1846
1	6	1	10	-9.0654	-3.4346
1	6	2	5	57.4343	67.0883
1	6	2	6	56.4343	66.0883
1	6	2	7	56.7677	66.4216
1	6	2	8	56.4343	66.0883
1	6	2	9	55.4343	65.0883
1	6	2	10	54.1010	63.7549
1	6	3	5	63.5342	72.4658
1	6	3	6	62.0342	70.9658
1	6	3	7	61.5342	70.4658
1	6	3	8	60.7842	69.7158
1	6	3	9	59.5342	68.4658
1	6	3	10	58.0342	66.9658
1	6	4	5	62.0342	70.9658
1	6	4	6	60.5342	69.4658
1	6	4	7	59.5342	68.4658
1	6	4	8	57.7842	66.7158
1	6	4	9	56.0342	64.9658
1	6	4	10	56.0342	64.9658
1	6	5	5	67.0342	75.9658
1	6	5	6	65.7842	74.7158
1	6	5	7	65.0342	73.9658
1	6	5	8	64.7842	73.7158
1	6	5	9	62.7842	71.7158
1	6	5	10	61.0342	69.9658
1	6	6	5	66.5342	75.4658
1	6	6	6	64.7842	73.7158
1	6	6	7	64.2842	73.2158
1	6	6	8	63.7842	72.7158
1	6	6	9	63.7842	72.7158

The PLM Procedure

Differences of treatment*number Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
1	6	6	10	67.5000	1.1227	85	60.12	<.0001	<.0001	0.05	65.2678	69.7323
1	7	1	8	-0.7500	0.7078	85	-1.06	0.2923	1.0000	0.05	-2.1573	0.6573
1	7	1	9	-3.2500	0.7078	85	-4.59	<.0001	0.0068	0.05	-4.6573	-1.8427
1	7	1	10	-4.5000	0.7078	85	-6.36	<.0001	<.0001	0.05	-5.9073	-3.0927
1	7	2	5	64.0113	1.2135	85	52.75	<.0001	<.0001	0.05	61.5985	66.4241
1	7	2	6	63.0113	1.2135	85	51.93	<.0001	<.0001	0.05	60.5985	65.4241
1	7	2	7	63.3446	1.2135	85	52.20	<.0001	<.0001	0.05	60.9319	65.7574
1	7	2	8	63.0113	1.2135	85	51.93	<.0001	<.0001	0.05	60.5985	65.4241
1	7	2	9	62.0113	1.2135	85	51.10	<.0001	<.0001	0.05	59.5985	64.4241
1	7	2	10	60.6780	1.2135	85	50.00	<.0001	<.0001	0.05	58.2652	63.0907
1	7	3	5	69.7500	1.1227	85	62.13	<.0001	<.0001	0.05	67.5178	71.9823
1	7	3	6	68.2500	1.1227	85	60.79	<.0001	<.0001	0.05	66.0178	70.4823
1	7	3	7	67.7500	1.1227	85	60.35	<.0001	<.0001	0.05	65.5178	69.9823
1	7	3	8	67.0000	1.1227	85	59.68	<.0001	<.0001	0.05	64.7678	69.2323
1	7	3	9	65.7500	1.1227	85	58.56	<.0001	<.0001	0.05	63.5178	67.9823
1	7	3	10	64.2500	1.1227	85	57.23	<.0001	<.0001	0.05	62.0178	66.4823
1	7	4	5	68.2500	1.1227	85	60.79	<.0001	<.0001	0.05	66.0178	70.4823
1	7	4	6	66.7500	1.1227	85	59.45	<.0001	<.0001	0.05	64.5178	68.9823
1	7	4	7	65.7500	1.1227	85	58.56	<.0001	<.0001	0.05	63.5178	67.9823
1	7	4	8	64.0000	1.1227	85	57.01	<.0001	<.0001	0.05	61.7678	66.2323
1	7	4	9	62.2500	1.1227	85	55.45	<.0001	<.0001	0.05	60.0178	64.4823
1	7	4	10	62.2500	1.1227	85	55.45	<.0001	<.0001	0.05	60.0178	64.4823
1	7	5	5	73.2500	1.1227	85	65.24	<.0001	<.0001	0.05	71.0178	75.4823
1	7	5	6	72.0000	1.1227	85	64.13	<.0001	<.0001	0.05	69.7678	74.2323
1	7	5	7	71.2500	1.1227	85	63.46	<.0001	<.0001	0.05	69.0178	73.4823
1	7	5	8	71.0000	1.1227	85	63.24	<.0001	<.0001	0.05	68.7678	73.2323
1	7	5	9	69.0000	1.1227	85	61.46	<.0001	<.0001	0.05	66.7678	71.2323
1	7	5	10	67.2500	1.1227	85	59.90	<.0001	<.0001	0.05	65.0178	69.4823
1	7	6	5	72.7500	1.1227	85	64.80	<.0001	<.0001	0.05	70.5178	74.9823
1	7	6	6	71.0000	1.1227	85	63.24	<.0001	<.0001	0.05	68.7678	73.2323
1	7	6	7	70.5000	1.1227	85	62.79	<.0001	<.0001	0.05	68.2678	72.7323
1	7	6	8	70.0000	1.1227	85	62.35	<.0001	<.0001	0.05	67.7678	72.2323
1	7	6	9	70.0000	1.1227	85	62.35	<.0001	<.0001	0.05	67.7678	72.2323
1	7	6	10	69.2500	1.1227	85	61.68	<.0001	<.0001	0.05	67.0178	71.4823

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
1	6	6	10	63.0342	71.9658
1	7	1	8	-3.5654	2.0654
1	7	1	9	-6.0654	-0.4346
1	7	1	10	-7.3154	-1.6846
1	7	2	5	59.1843	68.8383
1	7	2	6	58.1843	67.8383
1	7	2	7	58.5177	68.1716
1	7	2	8	58.1843	67.8383
1	7	2	9	57.1843	66.8383
1	7	2	10	55.8510	65.5049
1	7	3	5	65.2842	74.2158
1	7	3	6	63.7842	72.7158
1	7	3	7	63.2842	72.2158
1	7	3	8	62.5342	71.4658
1	7	3	9	61.2842	70.2158
1	7	3	10	59.7842	68.7158
1	7	4	5	63.7842	72.7158
1	7	4	6	62.2842	71.2158
1	7	4	7	61.2842	70.2158
1	7	4	8	59.5342	68.4658
1	7	4	9	57.7842	66.7158
1	7	4	10	57.7842	66.7158
1	7	5	5	68.7842	77.7158
1	7	5	6	67.5342	76.4658
1	7	5	7	66.7842	75.7158
1	7	5	8	66.5342	75.4658
1	7	5	9	64.5342	73.4658
1	7	5	10	62.7842	71.7158
1	7	6	5	68.2842	77.2158
1	7	6	6	66.5342	75.4658
1	7	6	7	66.0342	74.9658
1	7	6	8	65.5342	74.4658
1	7	6	9	65.5342	74.4658
1	7	6	10	64.7842	73.7158

The PLM Procedure

Differences of treatment*number Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
1	8	1	9	-2.5000	0.7078	85	-3.53	0.0007	0.1666	0.05	-3.9073	-1.0927
1	8	1	10	-3.7500	0.7078	85	-5.30	<.0001	0.0005	0.05	-5.1573	-2.3427
1	8	2	5	64.7613	1.2135	85	53.37	<.0001	<.0001	0.05	62.3485	67.1741
1	8	2	6	63.7613	1.2135	85	52.54	<.0001	<.0001	0.05	61.3485	66.1741
1	8	2	7	64.0946	1.2135	85	52.82	<.0001	<.0001	0.05	61.6819	66.5074
1	8	2	8	63.7613	1.2135	85	52.54	<.0001	<.0001	0.05	61.3485	66.1741
1	8	2	9	62.7613	1.2135	85	51.72	<.0001	<.0001	0.05	60.3485	65.1741
1	8	2	10	61.4280	1.2135	85	50.62	<.0001	<.0001	0.05	59.0152	63.8407
1	8	3	5	70.5000	1.1227	85	62.79	<.0001	<.0001	0.05	68.2678	72.7323
1	8	3	6	69.0000	1.1227	85	61.46	<.0001	<.0001	0.05	66.7678	71.2323
1	8	3	7	68.5000	1.1227	85	61.01	<.0001	<.0001	0.05	66.2678	70.7323
1	8	3	8	67.7500	1.1227	85	60.35	<.0001	<.0001	0.05	65.5178	69.9823
1	8	3	9	66.5000	1.1227	85	59.23	<.0001	<.0001	0.05	64.2678	68.7323
1	8	3	10	65.0000	1.1227	85	57.90	<.0001	<.0001	0.05	62.7678	67.2323
1	8	4	5	69.0000	1.1227	85	61.46	<.0001	<.0001	0.05	66.7678	71.2323
1	8	4	6	67.5000	1.1227	85	60.12	<.0001	<.0001	0.05	65.2678	69.7323
1	8	4	7	66.5000	1.1227	85	59.23	<.0001	<.0001	0.05	64.2678	68.7323
1	8	4	8	64.7500	1.1227	85	57.67	<.0001	<.0001	0.05	62.5178	66.9823
1	8	4	9	63.0000	1.1227	85	56.11	<.0001	<.0001	0.05	60.7678	65.2323
1	8	4	10	63.0000	1.1227	85	56.11	<.0001	<.0001	0.05	60.7678	65.2323
1	8	5	5	74.0000	1.1227	85	65.91	<.0001	<.0001	0.05	71.7678	76.2323
1	8	5	6	72.7500	1.1227	85	64.80	<.0001	<.0001	0.05	70.5178	74.9823
1	8	5	7	72.0000	1.1227	85	64.13	<.0001	<.0001	0.05	69.7678	74.2323
1	8	5	8	71.7500	1.1227	85	63.91	<.0001	<.0001	0.05	69.5178	73.9823
1	8	5	9	69.7500	1.1227	85	62.13	<.0001	<.0001	0.05	67.5178	71.9823
1	8	5	10	68.0000	1.1227	85	60.57	<.0001	<.0001	0.05	65.7678	70.2323
1	8	6	5	73.5000	1.1227	85	65.47	<.0001	<.0001	0.05	71.2678	75.7323
1	8	6	6	71.7500	1.1227	85	63.91	<.0001	<.0001	0.05	69.5178	73.9823
1	8	6	7	71.2500	1.1227	85	63.46	<.0001	<.0001	0.05	69.0178	73.4823
1	8	6	8	70.7500	1.1227	85	63.02	<.0001	<.0001	0.05	68.5178	72.9823
1	8	6	9	70.7500	1.1227	85	63.02	<.0001	<.0001	0.05	68.5178	72.9823
1	8	6	10	70.0000	1.1227	85	62.35	<.0001	<.0001	0.05	67.7678	72.2323
1	9	1	10	-1.2500	0.7078	85	-1.77	0.0810	0.9981	0.05	-2.6573	0.1573
1	9	2	5	67.2613	1.2135	85	55.43	<.0001	<.0001	0.05	64.8485	69.6741

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
1	8	1	9	-5.3154	0.3154
1	8	1	10	-6.5654	-0.9346
1	8	2	5	59.9343	69.5883
1	8	2	6	58.9343	68.5883
1	8	2	7	59.2677	68.9216
1	8	2	8	58.9343	68.5883
1	8	2	9	57.9343	67.5883
1	8	2	10	56.6010	66.2549
1	8	3	5	66.0342	74.9658
1	8	3	6	64.5342	73.4658
1	8	3	7	64.0342	72.9658
1	8	3	8	63.2842	72.2158
1	8	3	9	62.0342	70.9658
1	8	3	10	60.5342	69.4658
1	8	4	5	64.5342	73.4658
1	8	4	6	63.0342	71.9658
1	8	4	7	62.0342	70.9658
1	8	4	8	60.2842	69.2158
1	8	4	9	58.5342	67.4658
1	8	4	10	58.5342	67.4658
1	8	5	5	69.5342	78.4658
1	8	5	6	68.2842	77.2158
1	8	5	7	67.5342	76.4658
1	8	5	8	67.2842	76.2158
1	8	5	9	65.2842	74.2158
1	8	5	10	63.5342	72.4658
1	8	6	5	69.0342	77.9658
1	8	6	6	67.2842	76.2158
1	8	6	7	66.7842	75.7158
1	8	6	8	66.2842	75.2158
1	8	6	9	66.2842	75.2158
1	8	6	10	65.5342	74.4658
1	9	1	10	-4.0654	1.5654
1	9	2	5	62.4343	72.0883

The PLM Procedure

Differences of treatment*number Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
1	9	2	6	66.2613	1.2135	85	54.60	<.0001	<.0001	0.05	63.8485	68.6741
1	9	2	7	66.5946	1.2135	85	54.88	<.0001	<.0001	0.05	64.1819	69.0074
1	9	2	8	66.2613	1.2135	85	54.60	<.0001	<.0001	0.05	63.8485	68.6741
1	9	2	9	65.2613	1.2135	85	53.78	<.0001	<.0001	0.05	62.8485	67.6741
1	9	2	10	63.9280	1.2135	85	52.68	<.0001	<.0001	0.05	61.5152	66.3407
1	9	3	5	73.0000	1.1227	85	65.02	<.0001	<.0001	0.05	70.7678	75.2323
1	9	3	6	71.5000	1.1227	85	63.69	<.0001	<.0001	0.05	69.2678	73.7323
1	9	3	7	71.0000	1.1227	85	63.24	<.0001	<.0001	0.05	68.7678	73.2323
1	9	3	8	70.2500	1.1227	85	62.57	<.0001	<.0001	0.05	68.0178	72.4823
1	9	3	9	69.0000	1.1227	85	61.46	<.0001	<.0001	0.05	66.7678	71.2323
1	9	3	10	67.5000	1.1227	85	60.12	<.0001	<.0001	0.05	65.2678	69.7323
1	9	4	5	71.5000	1.1227	85	63.69	<.0001	<.0001	0.05	69.2678	73.7323
1	9	4	6	70.0000	1.1227	85	62.35	<.0001	<.0001	0.05	67.7678	72.2323
1	9	4	7	69.0000	1.1227	85	61.46	<.0001	<.0001	0.05	66.7678	71.2323
1	9	4	8	67.2500	1.1227	85	59.90	<.0001	<.0001	0.05	65.0178	69.4823
1	9	4	9	65.5000	1.1227	85	58.34	<.0001	<.0001	0.05	63.2678	67.7323
1	9	4	10	65.5000	1.1227	85	58.34	<.0001	<.0001	0.05	63.2678	67.7323
1	9	5	5	76.5000	1.1227	85	68.14	<.0001	<.0001	0.05	74.2678	78.7323
1	9	5	6	75.2500	1.1227	85	67.03	<.0001	<.0001	0.05	73.0178	77.4823
1	9	5	7	74.5000	1.1227	85	66.36	<.0001	<.0001	0.05	72.2678	76.7323
1	9	5	8	74.2500	1.1227	85	66.13	<.0001	<.0001	0.05	72.0178	76.4823
1	9	5	9	72.2500	1.1227	85	64.35	<.0001	<.0001	0.05	70.0178	74.4823
1	9	5	10	70.5000	1.1227	85	62.79	<.0001	<.0001	0.05	68.2678	72.7323
1	9	6	5	76.0000	1.1227	85	67.69	<.0001	<.0001	0.05	73.7678	78.2323
1	9	6	6	74.2500	1.1227	85	66.13	<.0001	<.0001	0.05	72.0178	76.4823
1	9	6	7	73.7500	1.1227	85	65.69	<.0001	<.0001	0.05	71.5178	75.9823
1	9	6	8	73.2500	1.1227	85	65.24	<.0001	<.0001	0.05	71.0178	75.4823
1	9	6	9	73.2500	1.1227	85	65.24	<.0001	<.0001	0.05	71.0178	75.4823
1	9	6	10	72.5000	1.1227	85	64.58	<.0001	<.0001	0.05	70.2678	74.7323
1	10	2	5	68.5113	1.2135	85	56.46	<.0001	<.0001	0.05	66.0985	70.9241
1	10	2	6	67.5113	1.2135	85	55.63	<.0001	<.0001	0.05	65.0985	69.9241
1	10	2	7	67.8446	1.2135	85	55.91	<.0001	<.0001	0.05	65.4319	70.2574
1	10	2	8	67.5113	1.2135	85	55.63	<.0001	<.0001	0.05	65.0985	69.9241
1	10	2	9	66.5113	1.2135	85	54.81	<.0001	<.0001	0.05	64.0985	68.9241

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
1	9	2	6	61.4343	71.0883
1	9	2	7	61.7677	71.4216
1	9	2	8	61.4343	71.0883
1	9	2	9	60.4343	70.0883
1	9	2	10	59.1010	68.7549
1	9	3	5	68.5342	77.4658
1	9	3	6	67.0342	75.9658
1	9	3	7	66.5342	75.4658
1	9	3	8	65.7842	74.7158
1	9	3	9	64.5342	73.4658
1	9	3	10	63.0342	71.9658
1	9	4	5	67.0342	75.9658
1	9	4	6	65.5342	74.4658
1	9	4	7	64.5342	73.4658
1	9	4	8	62.7842	71.7158
1	9	4	9	61.0342	69.9658
1	9	4	10	61.0342	69.9658
1	9	5	5	72.0342	80.9658
1	9	5	6	70.7842	79.7158
1	9	5	7	70.0342	78.9658
1	9	5	8	69.7842	78.7158
1	9	5	9	67.7842	76.7158
1	9	5	10	66.0342	74.9658
1	9	6	5	71.5342	80.4658
1	9	6	6	69.7842	78.7158
1	9	6	7	69.2842	78.2158
1	9	6	8	68.7842	77.7158
1	9	6	9	68.7842	77.7158
1	9	6	10	68.0342	76.9658
1	10	2	5	63.6843	73.3383
1	10	2	6	62.6843	72.3383
1	10	2	7	63.0177	72.6716
1	10	2	8	62.6843	72.3383
1	10	2	9	61.6843	71.3383

The PLM Procedure

Differences of treatment*number Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
1	10	2	10	65.1780	1.2135	85	53.71	<.0001	<.0001	0.05	62.7652	67.5907
1	10	3	5	74.2500	1.1227	85	66.13	<.0001	<.0001	0.05	72.0178	76.4823
1	10	3	6	72.7500	1.1227	85	64.80	<.0001	<.0001	0.05	70.5178	74.9823
1	10	3	7	72.2500	1.1227	85	64.35	<.0001	<.0001	0.05	70.0178	74.4823
1	10	3	8	71.5000	1.1227	85	63.69	<.0001	<.0001	0.05	69.2678	73.7323
1	10	3	9	70.2500	1.1227	85	62.57	<.0001	<.0001	0.05	68.0178	72.4823
1	10	3	10	68.7500	1.1227	85	61.24	<.0001	<.0001	0.05	66.5178	70.9823
1	10	4	5	72.7500	1.1227	85	64.80	<.0001	<.0001	0.05	70.5178	74.9823
1	10	4	6	71.2500	1.1227	85	63.46	<.0001	<.0001	0.05	69.0178	73.4823
1	10	4	7	70.2500	1.1227	85	62.57	<.0001	<.0001	0.05	68.0178	72.4823
1	10	4	8	68.5000	1.1227	85	61.01	<.0001	<.0001	0.05	66.2678	70.7323
1	10	4	9	66.7500	1.1227	85	59.45	<.0001	<.0001	0.05	64.5178	68.9823
1	10	4	10	66.7500	1.1227	85	59.45	<.0001	<.0001	0.05	64.5178	68.9823
1	10	5	5	77.7500	1.1227	85	69.25	<.0001	<.0001	0.05	75.5178	79.9823
1	10	5	6	76.5000	1.1227	85	68.14	<.0001	<.0001	0.05	74.2678	78.7323
1	10	5	7	75.7500	1.1227	85	67.47	<.0001	<.0001	0.05	73.5178	77.9823
1	10	5	8	75.5000	1.1227	85	67.25	<.0001	<.0001	0.05	73.2678	77.7323
1	10	5	9	73.5000	1.1227	85	65.47	<.0001	<.0001	0.05	71.2678	75.7323
1	10	5	10	71.7500	1.1227	85	63.91	<.0001	<.0001	0.05	69.5178	73.9823
1	10	6	5	77.2500	1.1227	85	68.81	<.0001	<.0001	0.05	75.0178	79.4823
1	10	6	6	75.5000	1.1227	85	67.25	<.0001	<.0001	0.05	73.2678	77.7323
1	10	6	7	75.0000	1.1227	85	66.80	<.0001	<.0001	0.05	72.7678	77.2323
1	10	6	8	74.5000	1.1227	85	66.36	<.0001	<.0001	0.05	72.2678	76.7323
1	10	6	9	74.5000	1.1227	85	66.36	<.0001	<.0001	0.05	72.2678	76.7323
1	10	6	10	73.7500	1.1227	85	65.69	<.0001	<.0001	0.05	71.5178	75.9823
2	5	2	6	-1.0000	0.8173	85	-1.22	0.2245	1.0000	0.05	-2.6250	0.6250
2	5	2	7	-0.6667	0.8173	85	-0.82	0.4170	1.0000	0.05	-2.2917	0.9583
2	5	2	8	-1.0000	0.8173	85	-1.22	0.2245	1.0000	0.05	-2.6250	0.6250
2	5	2	9	-2.0000	0.8173	85	-2.45	0.0165	0.8649	0.05	-3.6250	-0.3750
2	5	2	10	-3.3333	0.8173	85	-4.08	0.0001	0.0369	0.05	-4.9583	-1.7083
2	5	3	5	5.7387	1.2135	85	4.73	<.0001	0.0041	0.05	3.3259	8.1515
2	5	3	6	4.2387	1.2135	85	3.49	0.0008	0.1828	0.05	1.8259	6.6515
2	5	3	7	3.7387	1.2135	85	3.08	0.0028	0.4234	0.05	1.3259	6.1515
2	5	3	8	2.9887	1.2135	85	2.46	0.0158	0.8569	0.05	0.5759	5.4015

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
1	10	2	10	60.3510	70.0049
1	10	3	5	69.7842	78.7158
1	10	3	6	68.2842	77.2158
1	10	3	7	67.7842	76.7158
1	10	3	8	67.0342	75.9658
1	10	3	9	65.7842	74.7158
1	10	3	10	64.2842	73.2158
1	10	4	5	68.2842	77.2158
1	10	4	6	66.7842	75.7158
1	10	4	7	65.7842	74.7158
1	10	4	8	64.0342	72.9658
1	10	4	9	62.2842	71.2158
1	10	4	10	62.2842	71.2158
1	10	5	5	73.2842	82.2158
1	10	5	6	72.0342	80.9658
1	10	5	7	71.2842	80.2158
1	10	5	8	71.0342	79.9658
1	10	5	9	69.0342	77.9658
1	10	5	10	67.2842	76.2158
1	10	6	5	72.7842	81.7158
1	10	6	6	71.0342	79.9658
1	10	6	7	70.5342	79.4658
1	10	6	8	70.0342	78.9658
1	10	6	9	70.0342	78.9658
1	10	6	10	69.2842	78.2158
2	5	2	6	-4.2510	2.2510
2	5	2	7	-3.9176	2.5843
2	5	2	8	-4.2510	2.2510
2	5	2	9	-5.2510	1.2510
2	5	2	10	-6.5843	-0.08236
2	5	3	5	0.9117	10.5657
2	5	3	6	-0.5883	9.0657
2	5	3	7	-1.0883	8.5657
2	5	3	8	-1.8383	7.8157

The PLM Procedure

Differences of treatment*number Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
2	5	3	9	1.7387	1.2135	85	1.43	0.1556	1.0000	0.05	-0.6741	4.1515
2	5	3	10	0.2387	1.2135	85	0.20	0.8445	1.0000	0.05	-2.1741	2.6515
2	5	4	5	4.2387	1.2135	85	3.49	0.0008	0.1828	0.05	1.8259	6.6515
2	5	4	6	2.7387	1.2135	85	2.26	0.0266	0.9398	0.05	0.3259	5.1515
2	5	4	7	1.7387	1.2135	85	1.43	0.1556	1.0000	0.05	-0.6741	4.1515
2	5	4	8	-0.01130	1.2135	85	-0.01	0.9926	1.0000	0.05	-2.4241	2.4015
2	5	4	9	-1.7613	1.2135	85	-1.45	0.1503	1.0000	0.05	-4.1741	0.6515
2	5	4	10	-1.7613	1.2135	85	-1.45	0.1503	1.0000	0.05	-4.1741	0.6515
2	5	5	5	9.2387	1.2135	85	7.61	<.0001	<.0001	0.05	6.8259	11.6515
2	5	5	6	7.9887	1.2135	85	6.58	<.0001	<.0001	0.05	5.5759	10.4015
2	5	5	7	7.2387	1.2135	85	5.97	<.0001	<.0001	0.05	4.8259	9.6515
2	5	5	8	6.9887	1.2135	85	5.76	<.0001	<.0001	0.05	4.5759	9.4015
2	5	5	9	4.9887	1.2135	85	4.11	<.0001	0.0334	0.05	2.5759	7.4015
2	5	5	10	3.2387	1.2135	85	2.67	0.0091	0.7311	0.05	0.8259	5.6515
2	5	6	5	8.7387	1.2135	85	7.20	<.0001	<.0001	0.05	6.3259	11.1515
2	5	6	6	6.9887	1.2135	85	5.76	<.0001	<.0001	0.05	4.5759	9.4015
2	5	6	7	6.4887	1.2135	85	5.35	<.0001	0.0004	0.05	4.0759	8.9015
2	5	6	8	5.9887	1.2135	85	4.94	<.0001	0.0019	0.05	3.5759	8.4015
2	5	6	9	5.9887	1.2135	85	4.94	<.0001	0.0019	0.05	3.5759	8.4015
2	5	6	10	5.2387	1.2135	85	4.32	<.0001	0.0173	0.05	2.8259	7.6515
2	6	2	7	0.3333	0.8173	85	0.41	0.6844	1.0000	0.05	-1.2917	1.9583
2	6	2	8	2.44E-15	0.8173	85	0.00	1.0000	1.0000	0.05	-1.6250	1.6250
2	6	2	9	-1.0000	0.8173	85	-1.22	0.2245	1.0000	0.05	-2.6250	0.6250
2	6	2	10	-2.3333	0.8173	85	-2.85	0.0054	0.5936	0.05	-3.9583	-0.7083
2	6	3	5	6.7387	1.2135	85	5.55	<.0001	0.0002	0.05	4.3259	9.1515
2	6	3	6	5.2387	1.2135	85	4.32	<.0001	0.0173	0.05	2.8259	7.6515
2	6	3	7	4.7387	1.2135	85	3.90	0.0002	0.0618	0.05	2.3259	7.1515
2	6	3	8	3.9887	1.2135	85	3.29	0.0015	0.2878	0.05	1.5759	6.4015
2	6	3	9	2.7387	1.2135	85	2.26	0.0266	0.9398	0.05	0.3259	5.1515
2	6	3	10	1.2387	1.2135	85	1.02	0.3103	1.0000	0.05	-1.1741	3.6515
2	6	4	5	5.2387	1.2135	85	4.32	<.0001	0.0173	0.05	2.8259	7.6515
2	6	4	6	3.7387	1.2135	85	3.08	0.0028	0.4234	0.05	1.3259	6.1515
2	6	4	7	2.7387	1.2135	85	2.26	0.0266	0.9398	0.05	0.3259	5.1515
2	6	4	8	0.9887	1.2135	85	0.81	0.4175	1.0000	0.05	-1.4241	3.4015

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
2	5	3	9	-3.0883	6.5657
2	5	3	10	-4.5883	5.0657
2	5	4	5	-0.5883	9.0657
2	5	4	6	-2.0883	7.5657
2	5	4	7	-3.0883	6.5657
2	5	4	8	-4.8383	4.8157
2	5	4	9	-6.5883	3.0657
2	5	4	10	-6.5883	3.0657
2	5	5	5	4.4117	14.0657
2	5	5	6	3.1617	12.8157
2	5	5	7	2.4117	12.0657
2	5	5	8	2.1617	11.8157
2	5	5	9	0.1617	9.8157
2	5	5	10	-1.5883	8.0657
2	5	6	5	3.9117	13.5657
2	5	6	6	2.1617	11.8157
2	5	6	7	1.6617	11.3157
2	5	6	8	1.1617	10.8157
2	5	6	9	1.1617	10.8157
2	5	6	10	0.4117	10.0657
2	6	2	7	-2.9176	3.5843
2	6	2	8	-3.2510	3.2510
2	6	2	9	-4.2510	2.2510
2	6	2	10	-5.5843	0.9176
2	6	3	5	1.9117	11.5657
2	6	3	6	0.4117	10.0657
2	6	3	7	-0.08827	9.5657
2	6	3	8	-0.8383	8.8157
2	6	3	9	-2.0883	7.5657
2	6	3	10	-3.5883	6.0657
2	6	4	5	0.4117	10.0657
2	6	4	6	-1.0883	8.5657
2	6	4	7	-2.0883	7.5657
2	6	4	8	-3.8383	5.8157

The PLM Procedure

Differences of treatment*number Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
2	6	4	9	-0.7613	1.2135	85	-0.63	0.5321	1.0000	0.05	-3.1741	1.6515
2	6	4	10	-0.7613	1.2135	85	-0.63	0.5321	1.0000	0.05	-3.1741	1.6515
2	6	5	5	10.2387	1.2135	85	8.44	<.0001	<.0001	0.05	7.8259	12.6515
2	6	5	6	8.9887	1.2135	85	7.41	<.0001	<.0001	0.05	6.5759	11.4015
2	6	5	7	8.2387	1.2135	85	6.79	<.0001	<.0001	0.05	5.8259	10.6515
2	6	5	8	7.9887	1.2135	85	6.58	<.0001	<.0001	0.05	5.5759	10.4015
2	6	5	9	5.9887	1.2135	85	4.94	<.0001	0.0019	0.05	3.5759	8.4015
2	6	5	10	4.2387	1.2135	85	3.49	0.0008	0.1828	0.05	1.8259	6.6515
2	6	6	5	9.7387	1.2135	85	8.03	<.0001	<.0001	0.05	7.3259	12.1515
2	6	6	6	7.9887	1.2135	85	6.58	<.0001	<.0001	0.05	5.5759	10.4015
2	6	6	7	7.4887	1.2135	85	6.17	<.0001	<.0001	0.05	5.0759	9.9015
2	6	6	8	6.9887	1.2135	85	5.76	<.0001	<.0001	0.05	4.5759	9.4015
2	6	6	9	6.9887	1.2135	85	5.76	<.0001	<.0001	0.05	4.5759	9.4015
2	6	6	10	6.2387	1.2135	85	5.14	<.0001	0.0009	0.05	3.8259	8.6515
2	7	2	8	-0.3333	0.8173	85	-0.41	0.6844	1.0000	0.05	-1.9583	1.2917
2	7	2	9	-1.3333	0.8173	85	-1.63	0.1065	0.9995	0.05	-2.9583	0.2917
2	7	2	10	-2.6667	0.8173	85	-3.26	0.0016	0.3023	0.05	-4.2917	-1.0417
2	7	3	5	6.4054	1.2135	85	5.28	<.0001	0.0005	0.05	3.9926	8.8181
2	7	3	6	4.9054	1.2135	85	4.04	0.0001	0.0412	0.05	2.4926	7.3181
2	7	3	7	4.4054	1.2135	85	3.63	0.0005	0.1305	0.05	1.9926	6.8181
2	7	3	8	3.6554	1.2135	85	3.01	0.0034	0.4738	0.05	1.2426	6.0681
2	7	3	9	2.4054	1.2135	85	1.98	0.0507	0.9883	0.05	-0.00741	4.8181
2	7	3	10	0.9054	1.2135	85	0.75	0.4577	1.0000	0.05	-1.5074	3.3181
2	7	4	5	4.9054	1.2135	85	4.04	0.0001	0.0412	0.05	2.4926	7.3181
2	7	4	6	3.4054	1.2135	85	2.81	0.0062	0.6308	0.05	0.9926	5.8181
2	7	4	7	2.4054	1.2135	85	1.98	0.0507	0.9883	0.05	-0.00741	4.8181
2	7	4	8	0.6554	1.2135	85	0.54	0.5906	1.0000	0.05	-1.7574	3.0681
2	7	4	9	-1.0946	1.2135	85	-0.90	0.3696	1.0000	0.05	-3.5074	1.3181
2	7	4	10	-1.0946	1.2135	85	-0.90	0.3696	1.0000	0.05	-3.5074	1.3181
2	7	5	5	9.9054	1.2135	85	8.16	<.0001	<.0001	0.05	7.4926	12.3181
2	7	5	6	8.6554	1.2135	85	7.13	<.0001	<.0001	0.05	6.2426	11.0681
2	7	5	7	7.9054	1.2135	85	6.51	<.0001	<.0001	0.05	5.4926	10.3181
2	7	5	8	7.6554	1.2135	85	6.31	<.0001	<.0001	0.05	5.2426	10.0681
2	7	5	9	5.6554	1.2135	85	4.66	<.0001	0.0053	0.05	3.2426	8.0681

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
2	6	4	9	-5.5883	4.0657
2	6	4	10	-5.5883	4.0657
2	6	5	5	5.4117	15.0657
2	6	5	6	4.1617	13.8157
2	6	5	7	3.4117	13.0657
2	6	5	8	3.1617	12.8157
2	6	5	9	1.1617	10.8157
2	6	5	10	-0.5883	9.0657
2	6	6	5	4.9117	14.5657
2	6	6	6	3.1617	12.8157
2	6	6	7	2.6617	12.3157
2	6	6	8	2.1617	11.8157
2	6	6	9	2.1617	11.8157
2	6	6	10	1.4117	11.0657
2	7	2	8	-3.5843	2.9176
2	7	2	9	-4.5843	1.9176
2	7	2	10	-5.9176	0.5843
2	7	3	5	1.5784	11.2323
2	7	3	6	0.07839	9.7323
2	7	3	7	-0.4216	9.2323
2	7	3	8	-1.1716	8.4823
2	7	3	9	-2.4216	7.2323
2	7	3	10	-3.9216	5.7323
2	7	4	5	0.07839	9.7323
2	7	4	6	-1.4216	8.2323
2	7	4	7	-2.4216	7.2323
2	7	4	8	-4.1716	5.4823
2	7	4	9	-5.9216	3.7323
2	7	4	10	-5.9216	3.7323
2	7	5	5	5.0784	14.7323
2	7	5	6	3.8284	13.4823
2	7	5	7	3.0784	12.7323
2	7	5	8	2.8284	12.4823
2	7	5	9	0.8284	10.4823

The PLM Procedure

Differences of treatment*number Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
2	7	5	10	3.9054	1.2135	85	3.22	0.0018	0.3299	0.05	1.4926	6.3181
2	7	6	5	9.4054	1.2135	85	7.75	<.0001	<.0001	0.05	6.9926	11.8181
2	7	6	6	7.6554	1.2135	85	6.31	<.0001	<.0001	0.05	5.2426	10.0681
2	7	6	7	7.1554	1.2135	85	5.90	<.0001	<.0001	0.05	4.7426	9.5681
2	7	6	8	6.6554	1.2135	85	5.48	<.0001	0.0002	0.05	4.2426	9.0681
2	7	6	9	6.6554	1.2135	85	5.48	<.0001	0.0002	0.05	4.2426	9.0681
2	7	6	10	5.9054	1.2135	85	4.87	<.0001	0.0025	0.05	3.4926	8.3181
2	8	2	9	-1.0000	0.8173	85	-1.22	0.2245	1.0000	0.05	-2.6250	0.6250
2	8	2	10	-2.3333	0.8173	85	-2.85	0.0054	0.5936	0.05	-3.9583	-0.7083
2	8	3	5	6.7387	1.2135	85	5.55	<.0001	0.0002	0.05	4.3259	9.1515
2	8	3	6	5.2387	1.2135	85	4.32	<.0001	0.0173	0.05	2.8259	7.6515
2	8	3	7	4.7387	1.2135	85	3.90	0.0002	0.0618	0.05	2.3259	7.1515
2	8	3	8	3.9887	1.2135	85	3.29	0.0015	0.2878	0.05	1.5759	6.4015
2	8	3	9	2.7387	1.2135	85	2.26	0.0266	0.9398	0.05	0.3259	5.1515
2	8	3	10	1.2387	1.2135	85	1.02	0.3103	1.0000	0.05	-1.1741	3.6515
2	8	4	5	5.2387	1.2135	85	4.32	<.0001	0.0173	0.05	2.8259	7.6515
2	8	4	6	3.7387	1.2135	85	3.08	0.0028	0.4234	0.05	1.3259	6.1515
2	8	4	7	2.7387	1.2135	85	2.26	0.0266	0.9398	0.05	0.3259	5.1515
2	8	4	8	0.9887	1.2135	85	0.81	0.4175	1.0000	0.05	-1.4241	3.4015
2	8	4	9	-0.7613	1.2135	85	-0.63	0.5321	1.0000	0.05	-3.1741	1.6515
2	8	4	10	-0.7613	1.2135	85	-0.63	0.5321	1.0000	0.05	-3.1741	1.6515
2	8	5	5	10.2387	1.2135	85	8.44	<.0001	<.0001	0.05	7.8259	12.6515
2	8	5	6	8.9887	1.2135	85	7.41	<.0001	<.0001	0.05	6.5759	11.4015
2	8	5	7	8.2387	1.2135	85	6.79	<.0001	<.0001	0.05	5.8259	10.6515
2	8	5	8	7.9887	1.2135	85	6.58	<.0001	<.0001	0.05	5.5759	10.4015
2	8	5	9	5.9887	1.2135	85	4.94	<.0001	0.0019	0.05	3.5759	8.4015
2	8	5	10	4.2387	1.2135	85	3.49	0.0008	0.1828	0.05	1.8259	6.6515
2	8	6	5	9.7387	1.2135	85	8.03	<.0001	<.0001	0.05	7.3259	12.1515
2	8	6	6	7.9887	1.2135	85	6.58	<.0001	<.0001	0.05	5.5759	10.4015
2	8	6	7	7.4887	1.2135	85	6.17	<.0001	<.0001	0.05	5.0759	9.9015
2	8	6	8	6.9887	1.2135	85	5.76	<.0001	<.0001	0.05	4.5759	9.4015
2	8	6	9	6.9887	1.2135	85	5.76	<.0001	<.0001	0.05	4.5759	9.4015
2	8	6	10	6.2387	1.2135	85	5.14	<.0001	0.0009	0.05	3.8259	8.6515
2	9	2	10	-1.3333	0.8173	85	-1.63	0.1065	0.9995	0.05	-2.9583	0.2917

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
2	7	5	10	-0.9216	8.7323
2	7	6	5	4.5784	14.2323
2	7	6	6	2.8284	12.4823
2	7	6	7	2.3284	11.9823
2	7	6	8	1.8284	11.4823
2	7	6	9	1.8284	11.4823
2	7	6	10	1.0784	10.7323
2	8	2	9	-4.2510	2.2510
2	8	2	10	-5.5843	0.9176
2	8	3	5	1.9117	11.5657
2	8	3	6	0.4117	10.0657
2	8	3	7	-0.08827	9.5657
2	8	3	8	-0.8383	8.8157
2	8	3	9	-2.0883	7.5657
2	8	3	10	-3.5883	6.0657
2	8	4	5	0.4117	10.0657
2	8	4	6	-1.0883	8.5657
2	8	4	7	-2.0883	7.5657
2	8	4	8	-3.8383	5.8157
2	8	4	9	-5.5883	4.0657
2	8	4	10	-5.5883	4.0657
2	8	5	5	5.4117	15.0657
2	8	5	6	4.1617	13.8157
2	8	5	7	3.4117	13.0657
2	8	5	8	3.1617	12.8157
2	8	5	9	1.1617	10.8157
2	8	5	10	-0.5883	9.0657
2	8	6	5	4.9117	14.5657
2	8	6	6	3.1617	12.8157
2	8	6	7	2.6617	12.3157
2	8	6	8	2.1617	11.8157
2	8	6	9	2.1617	11.8157
2	8	6	10	1.4117	11.0657
2	9	2	10	-4.5843	1.9176

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer												
treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
2	9	3	5	7.7387	1.2135	85	6.38	<.0001	<.0001	0.05	5.3259	10.1515
2	9	3	6	6.2387	1.2135	85	5.14	<.0001	0.0009	0.05	3.8259	8.6515
2	9	3	7	5.7387	1.2135	85	4.73	<.0001	0.0041	0.05	3.3259	8.1515
2	9	3	8	4.9887	1.2135	85	4.11	<.0001	0.0334	0.05	2.5759	7.4015
2	9	3	9	3.7387	1.2135	85	3.08	0.0028	0.4234	0.05	1.3259	6.1515
2	9	3	10	2.2387	1.2135	85	1.84	0.0685	0.9961	0.05	-0.1741	4.6515
2	9	4	5	6.2387	1.2135	85	5.14	<.0001	0.0009	0.05	3.8259	8.6515
2	9	4	6	4.7387	1.2135	85	3.90	0.0002	0.0618	0.05	2.3259	7.1515
2	9	4	7	3.7387	1.2135	85	3.08	0.0028	0.4234	0.05	1.3259	6.1515
2	9	4	8	1.9887	1.2135	85	1.64	0.1050	0.9995	0.05	-0.4241	4.4015
2	9	4	9	0.2387	1.2135	85	0.20	0.8445	1.0000	0.05	-2.1741	2.6515
2	9	4	10	0.2387	1.2135	85	0.20	0.8445	1.0000	0.05	-2.1741	2.6515
2	9	5	5	11.2387	1.2135	85	9.26	<.0001	<.0001	0.05	8.8259	13.6515
2	9	5	6	9.9887	1.2135	85	8.23	<.0001	<.0001	0.05	7.5759	12.4015
2	9	5	7	9.2387	1.2135	85	7.61	<.0001	<.0001	0.05	6.8259	11.6515
2	9	5	8	8.9887	1.2135	85	7.41	<.0001	<.0001	0.05	6.5759	11.4015
2	9	5	9	6.9887	1.2135	85	5.76	<.0001	<.0001	0.05	4.5759	9.4015
2	9	5	10	5.2387	1.2135	85	4.32	<.0001	0.0173	0.05	2.8259	7.6515
2	9	6	5	10.7387	1.2135	85	8.85	<.0001	<.0001	0.05	8.3259	13.1515
2	9	6	6	8.9887	1.2135	85	7.41	<.0001	<.0001	0.05	6.5759	11.4015
2	9	6	7	8.4887	1.2135	85	7.00	<.0001	<.0001	0.05	6.0759	10.9015
2	9	6	8	7.9887	1.2135	85	6.58	<.0001	<.0001	0.05	5.5759	10.4015
2	9	6	9	7.9887	1.2135	85	6.58	<.0001	<.0001	0.05	5.5759	10.4015
2	9	6	10	7.2387	1.2135	85	5.97	<.0001	<.0001	0.05	4.8259	9.6515
2	10	3	5	9.0720	1.2135	85	7.48	<.0001	<.0001	0.05	6.6593	11.4848
2	10	3	6	7.5720	1.2135	85	6.24	<.0001	<.0001	0.05	5.1593	9.9848
2	10	3	7	7.0720	1.2135	85	5.83	<.0001	<.0001	0.05	4.6593	9.4848
2	10	3	8	6.3220	1.2135	85	5.21	<.0001	0.0007	0.05	3.9093	8.7348
2	10	3	9	5.0720	1.2135	85	4.18	<.0001	0.0269	0.05	2.6593	7.4848
2	10	3	10	3.5720	1.2135	85	2.94	0.0042	0.5257	0.05	1.1593	5.9848
2	10	4	5	7.5720	1.2135	85	6.24	<.0001	<.0001	0.05	5.1593	9.9848
2	10	4	6	6.0720	1.2135	85	5.00	<.0001	0.0015	0.05	3.6593	8.4848
2	10	4	7	5.0720	1.2135	85	4.18	<.0001	0.0269	0.05	2.6593	7.4848
2	10	4	8	3.3220	1.2135	85	2.74	0.0075	0.6820	0.05	0.9093	5.7348

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
2	9	3	5	2.9117	12.5657
2	9	3	6	1.4117	11.0657
2	9	3	7	0.9117	10.5657
2	9	3	8	0.1617	9.8157
2	9	3	9	-1.0883	8.5657
2	9	3	10	-2.5883	7.0657
2	9	4	5	1.4117	11.0657
2	9	4	6	-0.08827	9.5657
2	9	4	7	-1.0883	8.5657
2	9	4	8	-2.8383	6.8157
2	9	4	9	-4.5883	5.0657
2	9	4	10	-4.5883	5.0657
2	9	5	5	6.4117	16.0657
2	9	5	6	5.1617	14.8157
2	9	5	7	4.4117	14.0657
2	9	5	8	4.1617	13.8157
2	9	5	9	2.1617	11.8157
2	9	5	10	0.4117	10.0657
2	9	6	5	5.9117	15.5657
2	9	6	6	4.1617	13.8157
2	9	6	7	3.6617	13.3157
2	9	6	8	3.1617	12.8157
2	9	6	9	3.1617	12.8157
2	9	6	10	2.4117	12.0657
2	10	3	5	4.2451	13.8990
2	10	3	6	2.7451	12.3990
2	10	3	7	2.2451	11.8990
2	10	3	8	1.4951	11.1490
2	10	3	9	0.2451	9.8990
2	10	3	10	-1.2549	8.3990
2	10	4	5	2.7451	12.3990
2	10	4	6	1.2451	10.8990
2	10	4	7	0.2451	9.8990
2	10	4	8	-1.5049	8.1490

The PLM Procedure

Differences of treatment*number Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
2	10	4	9	1.5720	1.2135	85	1.30	0.1987	1.0000	0.05	-0.8407	3.9848
2	10	4	10	1.5720	1.2135	85	1.30	0.1987	1.0000	0.05	-0.8407	3.9848
2	10	5	5	12.5720	1.2135	85	10.36	<.0001	<.0001	0.05	10.1593	14.9848
2	10	5	6	11.3220	1.2135	85	9.33	<.0001	<.0001	0.05	8.9093	13.7348
2	10	5	7	10.5720	1.2135	85	8.71	<.0001	<.0001	0.05	8.1593	12.9848
2	10	5	8	10.3220	1.2135	85	8.51	<.0001	<.0001	0.05	7.9093	12.7348
2	10	5	9	8.3220	1.2135	85	6.86	<.0001	<.0001	0.05	5.9093	10.7348
2	10	5	10	6.5720	1.2135	85	5.42	<.0001	0.0003	0.05	4.1593	8.9848
2	10	6	5	12.0720	1.2135	85	9.95	<.0001	<.0001	0.05	9.6593	14.4848
2	10	6	6	10.3220	1.2135	85	8.51	<.0001	<.0001	0.05	7.9093	12.7348
2	10	6	7	9.8220	1.2135	85	8.09	<.0001	<.0001	0.05	7.4093	12.2348
2	10	6	8	9.3220	1.2135	85	7.68	<.0001	<.0001	0.05	6.9093	11.7348
2	10	6	9	9.3220	1.2135	85	7.68	<.0001	<.0001	0.05	6.9093	11.7348
2	10	6	10	8.5720	1.2135	85	7.06	<.0001	<.0001	0.05	6.1593	10.9848
3	5	3	6	-1.5000	0.7078	85	-2.12	0.0370	0.9714	0.05	-2.9073	-0.09270
3	5	3	7	-2.0000	0.7078	85	-2.83	0.0059	0.6160	0.05	-3.4073	-0.5927
3	5	3	8	-2.7500	0.7078	85	-3.89	0.0002	0.0654	0.05	-4.1573	-1.3427
3	5	3	9	-4.0000	0.7078	85	-5.65	<.0001	0.0001	0.05	-5.4073	-2.5927
3	5	3	10	-5.5000	0.7078	85	-7.77	<.0001	<.0001	0.05	-6.9073	-4.0927
3	5	4	5	-1.5000	1.1227	85	-1.34	0.1851	1.0000	0.05	-3.7322	0.7322
3	5	4	6	-3.0000	1.1227	85	-2.67	0.0090	0.7289	0.05	-5.2322	-0.7678
3	5	4	7	-4.0000	1.1227	85	-3.56	0.0006	0.1545	0.05	-6.2322	-1.7678
3	5	4	8	-5.7500	1.1227	85	-5.12	<.0001	0.0010	0.05	-7.9822	-3.5178
3	5	4	9	-7.5000	1.1227	85	-6.68	<.0001	<.0001	0.05	-9.7322	-5.2678
3	5	4	10	-7.5000	1.1227	85	-6.68	<.0001	<.0001	0.05	-9.7322	-5.2678
3	5	5	5	3.5000	1.1227	85	3.12	0.0025	0.3974	0.05	1.2678	5.7322
3	5	5	6	2.2500	1.1227	85	2.00	0.0482	0.9864	0.05	0.01776	4.4822
3	5	5	7	1.5000	1.1227	85	1.34	0.1851	1.0000	0.05	-0.7322	3.7322
3	5	5	8	1.2500	1.1227	85	1.11	0.2687	1.0000	0.05	-0.9822	3.4822
3	5	5	9	-0.7500	1.1227	85	-0.67	0.5059	1.0000	0.05	-2.9822	1.4822
3	5	5	10	-2.5000	1.1227	85	-2.23	0.0286	0.9482	0.05	-4.7322	-0.2678
3	5	6	5	3.0000	1.1227	85	2.67	0.0090	0.7289	0.05	0.7678	5.2322
3	5	6	6	1.2500	1.1227	85	1.11	0.2687	1.0000	0.05	-0.9822	3.4822
3	5	6	7	0.7500	1.1227	85	0.67	0.5059	1.0000	0.05	-1.4822	2.9822

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
2	10	4	9	-3.2549	6.3990
2	10	4	10	-3.2549	6.3990
2	10	5	5	7.7451	17.3990
2	10	5	6	6.4951	16.1490
2	10	5	7	5.7451	15.3990
2	10	5	8	5.4951	15.1490
2	10	5	9	3.4951	13.1490
2	10	5	10	1.7451	11.3990
2	10	6	5	7.2451	16.8990
2	10	6	6	5.4951	15.1490
2	10	6	7	4.9951	14.6490
2	10	6	8	4.4951	14.1490
2	10	6	9	4.4951	14.1490
2	10	6	10	3.7451	13.3990
3	5	3	6	-4.3154	1.3154
3	5	3	7	-4.8154	0.8154
3	5	3	8	-5.5654	0.06542
3	5	3	9	-6.8154	-1.1846
3	5	3	10	-8.3154	-2.6846
3	5	4	5	-5.9658	2.9658
3	5	4	6	-7.4658	1.4658
3	5	4	7	-8.4658	0.4658
3	5	4	8	-10.2158	-1.2842
3	5	4	9	-11.9658	-3.0342
3	5	4	10	-11.9658	-3.0342
3	5	5	5	-0.9658	7.9658
3	5	5	6	-2.2158	6.7158
3	5	5	7	-2.9658	5.9658
3	5	5	8	-3.2158	5.7158
3	5	5	9	-5.2158	3.7158
3	5	5	10	-6.9658	1.9658
3	5	6	5	-1.4658	7.4658
3	5	6	6	-3.2158	5.7158
3	5	6	7	-3.7158	5.2158

The PLM Procedure

Differences of treatment*number Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
3	5	6	8	0.2500	1.1227	85	0.22	0.8243	1.0000	0.05	-1.9822	2.4822
3	5	6	9	0.2500	1.1227	85	0.22	0.8243	1.0000	0.05	-1.9822	2.4822
3	5	6	10	-0.5000	1.1227	85	-0.45	0.6572	1.0000	0.05	-2.7322	1.7322
3	6	3	7	-0.5000	0.7078	85	-0.71	0.4819	1.0000	0.05	-1.9073	0.9073
3	6	3	8	-1.2500	0.7078	85	-1.77	0.0810	0.9981	0.05	-2.6573	0.1573
3	6	3	9	-2.5000	0.7078	85	-3.53	0.0007	0.1666	0.05	-3.9073	-1.0927
3	6	3	10	-4.0000	0.7078	85	-5.65	<.0001	0.0001	0.05	-5.4073	-2.5927
3	6	4	5	-2.5E-7	1.1227	85	-0.00	1.0000	1.0000	0.05	-2.2322	2.2322
3	6	4	6	-1.5000	1.1227	85	-1.34	0.1851	1.0000	0.05	-3.7322	0.7322
3	6	4	7	-2.5000	1.1227	85	-2.23	0.0286	0.9482	0.05	-4.7322	-0.2678
3	6	4	8	-4.2500	1.1227	85	-3.79	0.0003	0.0866	0.05	-6.4822	-2.0178
3	6	4	9	-6.0000	1.1227	85	-5.34	<.0001	0.0004	0.05	-8.2322	-3.7678
3	6	4	10	-6.0000	1.1227	85	-5.34	<.0001	0.0004	0.05	-8.2322	-3.7678
3	6	5	5	5.0000	1.1227	85	4.45	<.0001	0.0109	0.05	2.7678	7.2322
3	6	5	6	3.7500	1.1227	85	3.34	0.0012	0.2576	0.05	1.5178	5.9822
3	6	5	7	3.0000	1.1227	85	2.67	0.0090	0.7289	0.05	0.7678	5.2322
3	6	5	8	2.7500	1.1227	85	2.45	0.0164	0.8637	0.05	0.5178	4.9822
3	6	5	9	0.7500	1.1227	85	0.67	0.5059	1.0000	0.05	-1.4822	2.9822
3	6	5	10	-1.0000	1.1227	85	-0.89	0.3756	1.0000	0.05	-3.2322	1.2322
3	6	6	5	4.5000	1.1227	85	4.01	0.0001	0.0457	0.05	2.2678	6.7322
3	6	6	6	2.7500	1.1227	85	2.45	0.0164	0.8637	0.05	0.5178	4.9822
3	6	6	7	2.2500	1.1227	85	2.00	0.0482	0.9864	0.05	0.01776	4.4822
3	6	6	8	1.7500	1.1227	85	1.56	0.1228	0.9998	0.05	-0.4822	3.9822
3	6	6	9	1.7500	1.1227	85	1.56	0.1228	0.9998	0.05	-0.4822	3.9822
3	6	6	10	1.0000	1.1227	85	0.89	0.3756	1.0000	0.05	-1.2322	3.2322
3	7	3	8	-0.7500	0.7078	85	-1.06	0.2923	1.0000	0.05	-2.1573	0.6573
3	7	3	9	-2.0000	0.7078	85	-2.83	0.0059	0.6160	0.05	-3.4073	-0.5927
3	7	3	10	-3.5000	0.7078	85	-4.94	<.0001	0.0019	0.05	-4.9073	-2.0927
3	7	4	5	0.5000	1.1227	85	0.45	0.6572	1.0000	0.05	-1.7322	2.7322
3	7	4	6	-1.0000	1.1227	85	-0.89	0.3756	1.0000	0.05	-3.2322	1.2322
3	7	4	7	-2.0000	1.1227	85	-1.78	0.0784	0.9978	0.05	-4.2322	0.2322
3	7	4	8	-3.7500	1.1227	85	-3.34	0.0012	0.2576	0.05	-5.9822	-1.5178
3	7	4	9	-5.5000	1.1227	85	-4.90	<.0001	0.0022	0.05	-7.7322	-3.2678
3	7	4	10	-5.5000	1.1227	85	-4.90	<.0001	0.0022	0.05	-7.7322	-3.2678

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
3	5	6	8	-4.2158	4.7158
3	5	6	9	-4.2158	4.7158
3	5	6	10	-4.9658	3.9658
3	6	3	7	-3.3154	2.3154
3	6	3	8	-4.0654	1.5654
3	6	3	9	-5.3154	0.3154
3	6	3	10	-6.8154	-1.1846
3	6	4	5	-4.4658	4.4658
3	6	4	6	-5.9658	2.9658
3	6	4	7	-6.9658	1.9658
3	6	4	8	-8.7158	0.2158
3	6	4	9	-10.4658	-1.5342
3	6	4	10	-10.4658	-1.5342
3	6	5	5	0.5342	9.4658
3	6	5	6	-0.7158	8.2158
3	6	5	7	-1.4658	7.4658
3	6	5	8	-1.7158	7.2158
3	6	5	9	-3.7158	5.2158
3	6	5	10	-5.4658	3.4658
3	6	6	5	0.03419	8.9658
3	6	6	6	-1.7158	7.2158
3	6	6	7	-2.2158	6.7158
3	6	6	8	-2.7158	6.2158
3	6	6	9	-2.7158	6.2158
3	6	6	10	-3.4658	5.4658
3	7	3	8	-3.5654	2.0654
3	7	3	9	-4.8154	0.8154
3	7	3	10	-6.3154	-0.6846
3	7	4	5	-3.9658	4.9658
3	7	4	6	-5.4658	3.4658
3	7	4	7	-6.4658	2.4658
3	7	4	8	-8.2158	0.7158
3	7	4	9	-9.9658	-1.0342
3	7	4	10	-9.9658	-1.0342

The PLM Procedure

Differences of treatment*number Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
3	7	5	5	5.5000	1.1227	85	4.90	<.0001	0.0022	0.05	3.2678	7.7322
3	7	5	6	4.2500	1.1227	85	3.79	0.0003	0.0866	0.05	2.0178	6.4822
3	7	5	7	3.5000	1.1227	85	3.12	0.0025	0.3974	0.05	1.2678	5.7322
3	7	5	8	3.2500	1.1227	85	2.89	0.0048	0.5631	0.05	1.0178	5.4822
3	7	5	9	1.2500	1.1227	85	1.11	0.2687	1.0000	0.05	-0.9822	3.4822
3	7	5	10	-0.5000	1.1227	85	-0.45	0.6572	1.0000	0.05	-2.7322	1.7322
3	7	6	5	5.0000	1.1227	85	4.45	<.0001	0.0109	0.05	2.7678	7.2322
3	7	6	6	3.2500	1.1227	85	2.89	0.0048	0.5631	0.05	1.0178	5.4822
3	7	6	7	2.7500	1.1227	85	2.45	0.0164	0.8637	0.05	0.5178	4.9822
3	7	6	8	2.2500	1.1227	85	2.00	0.0482	0.9864	0.05	0.01776	4.4822
3	7	6	9	2.2500	1.1227	85	2.00	0.0482	0.9864	0.05	0.01776	4.4822
3	7	6	10	1.5000	1.1227	85	1.34	0.1851	1.0000	0.05	-0.7322	3.7322
3	8	3	9	-1.2500	0.7078	85	-1.77	0.0810	0.9981	0.05	-2.6573	0.1573
3	8	3	10	-2.7500	0.7078	85	-3.89	0.0002	0.0654	0.05	-4.1573	-1.3427
3	8	4	5	1.2500	1.1227	85	1.11	0.2687	1.0000	0.05	-0.9822	3.4822
3	8	4	6	-0.2500	1.1227	85	-0.22	0.8243	1.0000	0.05	-2.4822	1.9822
3	8	4	7	-1.2500	1.1227	85	-1.11	0.2687	1.0000	0.05	-3.4822	0.9822
3	8	4	8	-3.0000	1.1227	85	-2.67	0.0090	0.7289	0.05	-5.2322	-0.7678
3	8	4	9	-4.7500	1.1227	85	-4.23	<.0001	0.0229	0.05	-6.9822	-2.5178
3	8	4	10	-4.7500	1.1227	85	-4.23	<.0001	0.0229	0.05	-6.9822	-2.5178
3	8	5	5	6.2500	1.1227	85	5.57	<.0001	0.0002	0.05	4.0178	8.4822
3	8	5	6	5.0000	1.1227	85	4.45	<.0001	0.0109	0.05	2.7678	7.2322
3	8	5	7	4.2500	1.1227	85	3.79	0.0003	0.0866	0.05	2.0178	6.4822
3	8	5	8	4.0000	1.1227	85	3.56	0.0006	0.1545	0.05	1.7678	6.2322
3	8	5	9	2.0000	1.1227	85	1.78	0.0784	0.9978	0.05	-0.2322	4.2322
3	8	5	10	0.2500	1.1227	85	0.22	0.8243	1.0000	0.05	-1.9822	2.4822
3	8	6	5	5.7500	1.1227	85	5.12	<.0001	0.0010	0.05	3.5178	7.9822
3	8	6	6	4.0000	1.1227	85	3.56	0.0006	0.1545	0.05	1.7678	6.2322
3	8	6	7	3.5000	1.1227	85	3.12	0.0025	0.3974	0.05	1.2678	5.7322
3	8	6	8	3.0000	1.1227	85	2.67	0.0090	0.7289	0.05	0.7678	5.2322
3	8	6	9	3.0000	1.1227	85	2.67	0.0090	0.7289	0.05	0.7678	5.2322
3	8	6	10	2.2500	1.1227	85	2.00	0.0482	0.9864	0.05	0.01776	4.4822
3	9	3	10	-1.5000	0.7078	85	-2.12	0.0370	0.9714	0.05	-2.9073	-0.09270
3	9	4	5	2.5000	1.1227	85	2.23	0.0286	0.9482	0.05	0.2678	4.7322

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
3	7	5	5	1.0342	9.9658
3	7	5	6	-0.2158	8.7158
3	7	5	7	-0.9658	7.9658
3	7	5	8	-1.2158	7.7158
3	7	5	9	-3.2158	5.7158
3	7	5	10	-4.9658	3.9658
3	7	6	5	0.5342	9.4658
3	7	6	6	-1.2158	7.7158
3	7	6	7	-1.7158	7.2158
3	7	6	8	-2.2158	6.7158
3	7	6	9	-2.2158	6.7158
3	7	6	10	-2.9658	5.9658
3	8	3	9	-4.0654	1.5654
3	8	3	10	-5.5654	0.06542
3	8	4	5	-3.2158	5.7158
3	8	4	6	-4.7158	4.2158
3	8	4	7	-5.7158	3.2158
3	8	4	8	-7.4658	1.4658
3	8	4	9	-9.2158	-0.2842
3	8	4	10	-9.2158	-0.2842
3	8	5	5	1.7842	10.7158
3	8	5	6	0.5342	9.4658
3	8	5	7	-0.2158	8.7158
3	8	5	8	-0.4658	8.4658
3	8	5	9	-2.4658	6.4658
3	8	5	10	-4.2158	4.7158
3	8	6	5	1.2842	10.2158
3	8	6	6	-0.4658	8.4658
3	8	6	7	-0.9658	7.9658
3	8	6	8	-1.4658	7.4658
3	8	6	9	-1.4658	7.4658
3	8	6	10	-2.2158	6.7158
3	9	3	10	-4.3154	1.3154
3	9	4	5	-1.9658	6.9658

The PLM Procedure

Differences of treatment*number Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
3	9	4	6	1.0000	1.1227	85	0.89	0.3756	1.0000	0.05	-1.2322	3.2322
3	9	4	7	1.42E-14	1.1227	85	0.00	1.0000	1.0000	0.05	-2.2322	2.2322
3	9	4	8	-1.7500	1.1227	85	-1.56	0.1228	0.9998	0.05	-3.9822	0.4822
3	9	4	9	-3.5000	1.1227	85	-3.12	0.0025	0.3974	0.05	-5.7322	-1.2678
3	9	4	10	-3.5000	1.1227	85	-3.12	0.0025	0.3974	0.05	-5.7322	-1.2678
3	9	5	5	7.5000	1.1227	85	6.68	<.0001	<.0001	0.05	5.2678	9.7322
3	9	5	6	6.2500	1.1227	85	5.57	<.0001	0.0002	0.05	4.0178	8.4822
3	9	5	7	5.5000	1.1227	85	4.90	<.0001	0.0022	0.05	3.2678	7.7322
3	9	5	8	5.2500	1.1227	85	4.68	<.0001	0.0050	0.05	3.0178	7.4822
3	9	5	9	3.2500	1.1227	85	2.89	0.0048	0.5631	0.05	1.0178	5.4822
3	9	5	10	1.5000	1.1227	85	1.34	0.1851	1.0000	0.05	-0.7322	3.7322
3	9	6	5	7.0000	1.1227	85	6.23	<.0001	<.0001	0.05	4.7678	9.2322
3	9	6	6	5.2500	1.1227	85	4.68	<.0001	0.0050	0.05	3.0178	7.4822
3	9	6	7	4.7500	1.1227	85	4.23	<.0001	0.0229	0.05	2.5178	6.9822
3	9	6	8	4.2500	1.1227	85	3.79	0.0003	0.0866	0.05	2.0178	6.4822
3	9	6	9	4.2500	1.1227	85	3.79	0.0003	0.0866	0.05	2.0178	6.4822
3	9	6	10	3.5000	1.1227	85	3.12	0.0025	0.3974	0.05	1.2678	5.7322
3	10	4	5	4.0000	1.1227	85	3.56	0.0006	0.1545	0.05	1.7678	6.2322
3	10	4	6	2.5000	1.1227	85	2.23	0.0286	0.9482	0.05	0.2678	4.7322
3	10	4	7	1.5000	1.1227	85	1.34	0.1851	1.0000	0.05	-0.7322	3.7322
3	10	4	8	-0.2500	1.1227	85	-0.22	0.8243	1.0000	0.05	-2.4822	1.9822
3	10	4	9	-2.0000	1.1227	85	-1.78	0.0784	0.9978	0.05	-4.2322	0.2322
3	10	4	10	-2.0000	1.1227	85	-1.78	0.0784	0.9978	0.05	-4.2322	0.2322
3	10	5	5	9.0000	1.1227	85	8.02	<.0001	<.0001	0.05	6.7678	11.2322
3	10	5	6	7.7500	1.1227	85	6.90	<.0001	<.0001	0.05	5.5178	9.9822
3	10	5	7	7.0000	1.1227	85	6.23	<.0001	<.0001	0.05	4.7678	9.2322
3	10	5	8	6.7500	1.1227	85	6.01	<.0001	<.0001	0.05	4.5178	8.9822
3	10	5	9	4.7500	1.1227	85	4.23	<.0001	0.0229	0.05	2.5178	6.9822
3	10	5	10	3.0000	1.1227	85	2.67	0.0090	0.7289	0.05	0.7678	5.2322
3	10	6	5	8.5000	1.1227	85	7.57	<.0001	<.0001	0.05	6.2678	10.7322
3	10	6	6	6.7500	1.1227	85	6.01	<.0001	<.0001	0.05	4.5178	8.9822
3	10	6	7	6.2500	1.1227	85	5.57	<.0001	0.0002	0.05	4.0178	8.4822
3	10	6	8	5.7500	1.1227	85	5.12	<.0001	0.0010	0.05	3.5178	7.9822
3	10	6	9	5.7500	1.1227	85	5.12	<.0001	0.0010	0.05	3.5178	7.9822

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
3	9	4	6	-3.4658	5.4658
3	9	4	7	-4.4658	4.4658
3	9	4	8	-6.2158	2.7158
3	9	4	9	-7.9658	0.9658
3	9	4	10	-7.9658	0.9658
3	9	5	5	3.0342	11.9658
3	9	5	6	1.7842	10.7158
3	9	5	7	1.0342	9.9658
3	9	5	8	0.7842	9.7158
3	9	5	9	-1.2158	7.7158
3	9	5	10	-2.9658	5.9658
3	9	6	5	2.5342	11.4658
3	9	6	6	0.7842	9.7158
3	9	6	7	0.2842	9.2158
3	9	6	8	-0.2158	8.7158
3	9	6	9	-0.2158	8.7158
3	9	6	10	-0.9658	7.9658
3	10	4	5	-0.4658	8.4658
3	10	4	6	-1.9658	6.9658
3	10	4	7	-2.9658	5.9658
3	10	4	8	-4.7158	4.2158
3	10	4	9	-6.4658	2.4658
3	10	4	10	-6.4658	2.4658
3	10	5	5	4.5342	13.4658
3	10	5	6	3.2842	12.2158
3	10	5	7	2.5342	11.4658
3	10	5	8	2.2842	11.2158
3	10	5	9	0.2842	9.2158
3	10	5	10	-1.4658	7.4658
3	10	6	5	4.0342	12.9658
3	10	6	6	2.2842	11.2158
3	10	6	7	1.7842	10.7158
3	10	6	8	1.2842	10.2158
3	10	6	9	1.2842	10.2158

The PLM Procedure

Differences of treatment*number Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
3	10	6	10	5.0000	1.1227	85	4.45	<.0001	0.0109	0.05	2.7678	7.2322
4	5	4	6	-1.5000	0.7078	85	-2.12	0.0370	0.9714	0.05	-2.9073	-0.09270
4	5	4	7	-2.5000	0.7078	85	-3.53	0.0007	0.1666	0.05	-3.9073	-1.0927
4	5	4	8	-4.2500	0.7078	85	-6.00	<.0001	<.0001	0.05	-5.6573	-2.8427
4	5	4	9	-6.0000	0.7078	85	-8.48	<.0001	<.0001	0.05	-7.4073	-4.5927
4	5	4	10	-6.0000	0.7078	85	-8.48	<.0001	<.0001	0.05	-7.4073	-4.5927
4	5	5	5	5.0000	1.1227	85	4.45	<.0001	0.0109	0.05	2.7678	7.2322
4	5	5	6	3.7500	1.1227	85	3.34	0.0012	0.2576	0.05	1.5178	5.9822
4	5	5	7	3.0000	1.1227	85	2.67	0.0090	0.7289	0.05	0.7678	5.2322
4	5	5	8	2.7500	1.1227	85	2.45	0.0164	0.8637	0.05	0.5178	4.9822
4	5	5	9	0.7500	1.1227	85	0.67	0.5059	1.0000	0.05	-1.4822	2.9822
4	5	5	10	-1.0000	1.1227	85	-0.89	0.3756	1.0000	0.05	-3.2322	1.2322
4	5	6	5	4.5000	1.1227	85	4.01	0.0001	0.0457	0.05	2.2678	6.7322
4	5	6	6	2.7500	1.1227	85	2.45	0.0164	0.8637	0.05	0.5178	4.9822
4	5	6	7	2.2500	1.1227	85	2.00	0.0482	0.9864	0.05	0.01776	4.4822
4	5	6	8	1.7500	1.1227	85	1.56	0.1228	0.9998	0.05	-0.4822	3.9822
4	5	6	9	1.7500	1.1227	85	1.56	0.1228	0.9998	0.05	-0.4822	3.9822
4	5	6	10	1.0000	1.1227	85	0.89	0.3756	1.0000	0.05	-1.2322	3.2322
4	6	4	7	-1.0000	0.7078	85	-1.41	0.1614	1.0000	0.05	-2.4073	0.4073
4	6	4	8	-2.7500	0.7078	85	-3.89	0.0002	0.0654	0.05	-4.1573	-1.3427
4	6	4	9	-4.5000	0.7078	85	-6.36	<.0001	<.0001	0.05	-5.9073	-3.0927
4	6	4	10	-4.5000	0.7078	85	-6.36	<.0001	<.0001	0.05	-5.9073	-3.0927
4	6	5	5	6.5000	1.1227	85	5.79	<.0001	<.0001	0.05	4.2678	8.7322
4	6	5	6	5.2500	1.1227	85	4.68	<.0001	0.0050	0.05	3.0178	7.4822
4	6	5	7	4.5000	1.1227	85	4.01	0.0001	0.0457	0.05	2.2678	6.7322
4	6	5	8	4.2500	1.1227	85	3.79	0.0003	0.0866	0.05	2.0178	6.4822
4	6	5	9	2.2500	1.1227	85	2.00	0.0482	0.9864	0.05	0.01776	4.4822
4	6	5	10	0.5000	1.1227	85	0.45	0.6572	1.0000	0.05	-1.7322	2.7322
4	6	6	5	6.0000	1.1227	85	5.34	<.0001	0.0004	0.05	3.7678	8.2322
4	6	6	6	4.2500	1.1227	85	3.79	0.0003	0.0866	0.05	2.0178	6.4822
4	6	6	7	3.7500	1.1227	85	3.34	0.0012	0.2576	0.05	1.5178	5.9822
4	6	6	8	3.2500	1.1227	85	2.89	0.0048	0.5631	0.05	1.0178	5.4822
4	6	6	9	3.2500	1.1227	85	2.89	0.0048	0.5631	0.05	1.0178	5.4822
4	6	6	10	2.5000	1.1227	85	2.23	0.0286	0.9482	0.05	0.2678	4.7322

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
3	10	6	10	0.5342	9.4658
4	5	4	6	-4.3154	1.3154
4	5	4	7	-5.3154	0.3154
4	5	4	8	-7.0654	-1.4346
4	5	4	9	-8.8154	-3.1846
4	5	4	10	-8.8154	-3.1846
4	5	5	5	0.5342	9.4658
4	5	5	6	-0.7158	8.2158
4	5	5	7	-1.4658	7.4658
4	5	5	8	-1.7158	7.2158
4	5	5	9	-3.7158	5.2158
4	5	5	10	-5.4658	3.4658
4	5	6	5	0.03419	8.9658
4	5	6	6	-1.7158	7.2158
4	5	6	7	-2.2158	6.7158
4	5	6	8	-2.7158	6.2158
4	5	6	9	-2.7158	6.2158
4	5	6	10	-3.4658	5.4658
4	6	4	7	-3.8154	1.8154
4	6	4	8	-5.5654	0.06542
4	6	4	9	-7.3154	-1.6846
4	6	4	10	-7.3154	-1.6846
4	6	5	5	2.0342	10.9658
4	6	5	6	0.7842	9.7158
4	6	5	7	0.03419	8.9658
4	6	5	8	-0.2158	8.7158
4	6	5	9	-2.2158	6.7158
4	6	5	10	-3.9658	4.9658
4	6	6	5	1.5342	10.4658
4	6	6	6	-0.2158	8.7158
4	6	6	7	-0.7158	8.2158
4	6	6	8	-1.2158	7.7158
4	6	6	9	-1.2158	7.7158
4	6	6	10	-1.9658	6.9658

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer												
treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
4	7	4	8	-1.7500	0.7078	85	-2.47	0.0154	0.8520	0.05	-3.1573	-0.3427
4	7	4	9	-3.5000	0.7078	85	-4.94	<.0001	0.0019	0.05	-4.9073	-2.0927
4	7	4	10	-3.5000	0.7078	85	-4.94	<.0001	0.0019	0.05	-4.9073	-2.0927
4	7	5	5	7.5000	1.1227	85	6.68	<.0001	<.0001	0.05	5.2678	9.7322
4	7	5	6	6.2500	1.1227	85	5.57	<.0001	0.0002	0.05	4.0178	8.4822
4	7	5	7	5.5000	1.1227	85	4.90	<.0001	0.0022	0.05	3.2678	7.7322
4	7	5	8	5.2500	1.1227	85	4.68	<.0001	0.0050	0.05	3.0178	7.4822
4	7	5	9	3.2500	1.1227	85	2.89	0.0048	0.5631	0.05	1.0178	5.4822
4	7	5	10	1.5000	1.1227	85	1.34	0.1851	1.0000	0.05	-0.7322	3.7322
4	7	6	5	7.0000	1.1227	85	6.23	<.0001	<.0001	0.05	4.7678	9.2322
4	7	6	6	5.2500	1.1227	85	4.68	<.0001	0.0050	0.05	3.0178	7.4822
4	7	6	7	4.7500	1.1227	85	4.23	<.0001	0.0229	0.05	2.5178	6.9822
4	7	6	8	4.2500	1.1227	85	3.79	0.0003	0.0866	0.05	2.0178	6.4822
4	7	6	9	4.2500	1.1227	85	3.79	0.0003	0.0866	0.05	2.0178	6.4822
4	7	6	10	3.5000	1.1227	85	3.12	0.0025	0.3974	0.05	1.2678	5.7322
4	8	4	9	-1.7500	0.7078	85	-2.47	0.0154	0.8520	0.05	-3.1573	-0.3427
4	8	4	10	-1.7500	0.7078	85	-2.47	0.0154	0.8520	0.05	-3.1573	-0.3427
4	8	5	5	9.2500	1.1227	85	8.24	<.0001	<.0001	0.05	7.0178	11.4822
4	8	5	6	8.0000	1.1227	85	7.13	<.0001	<.0001	0.05	5.7678	10.2322
4	8	5	7	7.2500	1.1227	85	6.46	<.0001	<.0001	0.05	5.0178	9.4822
4	8	5	8	7.0000	1.1227	85	6.23	<.0001	<.0001	0.05	4.7678	9.2322
4	8	5	9	5.0000	1.1227	85	4.45	<.0001	0.0109	0.05	2.7678	7.2322
4	8	5	10	3.2500	1.1227	85	2.89	0.0048	0.5631	0.05	1.0178	5.4822
4	8	6	5	8.7500	1.1227	85	7.79	<.0001	<.0001	0.05	6.5178	10.9822
4	8	6	6	7.0000	1.1227	85	6.23	<.0001	<.0001	0.05	4.7678	9.2322
4	8	6	7	6.5000	1.1227	85	5.79	<.0001	<.0001	0.05	4.2678	8.7322
4	8	6	8	6.0000	1.1227	85	5.34	<.0001	0.0004	0.05	3.7678	8.2322
4	8	6	9	6.0000	1.1227	85	5.34	<.0001	0.0004	0.05	3.7678	8.2322
4	8	6	10	5.2500	1.1227	85	4.68	<.0001	0.0050	0.05	3.0178	7.4822
4	9	4	10	2.5E-7	0.7078	85	0.00	1.0000	1.0000	0.05	-1.4073	1.4073
4	9	5	5	11.0000	1.1227	85	9.80	<.0001	<.0001	0.05	8.7678	13.2322
4	9	5	6	9.7500	1.1227	85	8.68	<.0001	<.0001	0.05	7.5178	11.9822
4	9	5	7	9.0000	1.1227	85	8.02	<.0001	<.0001	0.05	6.7678	11.2322
4	9	5	8	8.7500	1.1227	85	7.79	<.0001	<.0001	0.05	6.5178	10.9822

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
4	7	4	8	-4.5654	1.0654
4	7	4	9	-6.3154	-0.6846
4	7	4	10	-6.3154	-0.6846
4	7	5	5	3.0342	11.9658
4	7	5	6	1.7842	10.7158
4	7	5	7	1.0342	9.9658
4	7	5	8	0.7842	9.7158
4	7	5	9	-1.2158	7.7158
4	7	5	10	-2.9658	5.9658
4	7	6	5	2.5342	11.4658
4	7	6	6	0.7842	9.7158
4	7	6	7	0.2842	9.2158
4	7	6	8	-0.2158	8.7158
4	7	6	9	-0.2158	8.7158
4	7	6	10	-0.9658	7.9658
4	8	4	9	-4.5654	1.0654
4	8	4	10	-4.5654	1.0654
4	8	5	5	4.7842	13.7158
4	8	5	6	3.5342	12.4658
4	8	5	7	2.7842	11.7158
4	8	5	8	2.5342	11.4658
4	8	5	9	0.5342	9.4658
4	8	5	10	-1.2158	7.7158
4	8	6	5	4.2842	13.2158
4	8	6	6	2.5342	11.4658
4	8	6	7	2.0342	10.9658
4	8	6	8	1.5342	10.4658
4	8	6	9	1.5342	10.4658
4	8	6	10	0.7842	9.7158
4	9	4	10	-2.8154	2.8154
4	9	5	5	6.5342	15.4658
4	9	5	6	5.2842	14.2158
4	9	5	7	4.5342	13.4658
4	9	5	8	4.2842	13.2158

The PLM Procedure

Differences of treatment*number Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
4	9	5	9	6.7500	1.1227	85	6.01	<.0001	<.0001	0.05	4.5178	8.9822
4	9	5	10	5.0000	1.1227	85	4.45	<.0001	0.0109	0.05	2.7678	7.2322
4	9	6	5	10.5000	1.1227	85	9.35	<.0001	<.0001	0.05	8.2678	12.7322
4	9	6	6	8.7500	1.1227	85	7.79	<.0001	<.0001	0.05	6.5178	10.9822
4	9	6	7	8.2500	1.1227	85	7.35	<.0001	<.0001	0.05	6.0178	10.4822
4	9	6	8	7.7500	1.1227	85	6.90	<.0001	<.0001	0.05	5.5178	9.9822
4	9	6	9	7.7500	1.1227	85	6.90	<.0001	<.0001	0.05	5.5178	9.9822
4	9	6	10	7.0000	1.1227	85	6.23	<.0001	<.0001	0.05	4.7678	9.2322
4	10	5	5	11.0000	1.1227	85	9.80	<.0001	<.0001	0.05	8.7678	13.2322
4	10	5	6	9.7500	1.1227	85	8.68	<.0001	<.0001	0.05	7.5178	11.9822
4	10	5	7	9.0000	1.1227	85	8.02	<.0001	<.0001	0.05	6.7678	11.2322
4	10	5	8	8.7500	1.1227	85	7.79	<.0001	<.0001	0.05	6.5178	10.9822
4	10	5	9	6.7500	1.1227	85	6.01	<.0001	<.0001	0.05	4.5178	8.9822
4	10	5	10	5.0000	1.1227	85	4.45	<.0001	0.0109	0.05	2.7678	7.2322
4	10	6	5	10.5000	1.1227	85	9.35	<.0001	<.0001	0.05	8.2678	12.7322
4	10	6	6	8.7500	1.1227	85	7.79	<.0001	<.0001	0.05	6.5178	10.9822
4	10	6	7	8.2500	1.1227	85	7.35	<.0001	<.0001	0.05	6.0178	10.4822
4	10	6	8	7.7500	1.1227	85	6.90	<.0001	<.0001	0.05	5.5178	9.9822
4	10	6	9	7.7500	1.1227	85	6.90	<.0001	<.0001	0.05	5.5178	9.9822
4	10	6	10	7.0000	1.1227	85	6.23	<.0001	<.0001	0.05	4.7678	9.2322
5	5	5	6	-1.2500	0.7078	85	-1.77	0.0810	0.9981	0.05	-2.6573	0.1573
5	5	5	7	-2.0000	0.7078	85	-2.83	0.0059	0.6160	0.05	-3.4073	-0.5927
5	5	5	8	-2.2500	0.7078	85	-3.18	0.0021	0.3556	0.05	-3.6573	-0.8427
5	5	5	9	-4.2500	0.7078	85	-6.00	<.0001	<.0001	0.05	-5.6573	-2.8427
5	5	5	10	-6.0000	0.7078	85	-8.48	<.0001	<.0001	0.05	-7.4073	-4.5927
5	5	6	5	-0.5000	1.1227	85	-0.45	0.6572	1.0000	0.05	-2.7322	1.7322
5	5	6	6	-2.2500	1.1227	85	-2.00	0.0482	0.9864	0.05	-4.4822	-0.01776
5	5	6	7	-2.7500	1.1227	85	-2.45	0.0164	0.8637	0.05	-4.9822	-0.5178
5	5	6	8	-3.2500	1.1227	85	-2.89	0.0048	0.5631	0.05	-5.4822	-1.0178
5	5	6	9	-3.2500	1.1227	85	-2.89	0.0048	0.5631	0.05	-5.4822	-1.0178
5	5	6	10	-4.0000	1.1227	85	-3.56	0.0006	0.1545	0.05	-6.2322	-1.7678
5	6	5	7	-0.7500	0.7078	85	-1.06	0.2923	1.0000	0.05	-2.1573	0.6573
5	6	5	8	-1.0000	0.7078	85	-1.41	0.1614	1.0000	0.05	-2.4073	0.4073
5	6	5	9	-3.0000	0.7078	85	-4.24	<.0001	0.0223	0.05	-4.4073	-1.5927

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
4	9	5	9	2.2842	11.2158
4	9	5	10	0.5342	9.4658
4	9	6	5	6.0342	14.9658
4	9	6	6	4.2842	13.2158
4	9	6	7	3.7842	12.7158
4	9	6	8	3.2842	12.2158
4	9	6	9	3.2842	12.2158
4	9	6	10	2.5342	11.4658
4	10	5	5	6.5342	15.4658
4	10	5	6	5.2842	14.2158
4	10	5	7	4.5342	13.4658
4	10	5	8	4.2842	13.2158
4	10	5	9	2.2842	11.2158
4	10	5	10	0.5342	9.4658
4	10	6	5	6.0342	14.9658
4	10	6	6	4.2842	13.2158
4	10	6	7	3.7842	12.7158
4	10	6	8	3.2842	12.2158
4	10	6	9	3.2842	12.2158
4	10	6	10	2.5342	11.4658
5	5	5	6	-4.0654	1.5654
5	5	5	7	-4.8154	0.8154
5	5	5	8	-5.0654	0.5654
5	5	5	9	-7.0654	-1.4346
5	5	5	10	-8.8154	-3.1846
5	5	6	5	-4.9658	3.9658
5	5	6	6	-6.7158	2.2158
5	5	6	7	-7.2158	1.7158
5	5	6	8	-7.7158	1.2158
5	5	6	9	-7.7158	1.2158
5	5	6	10	-8.4658	0.4658
5	6	5	7	-3.5654	2.0654
5	6	5	8	-3.8154	1.8154
5	6	5	9	-5.8154	-0.1846

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer												
treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
5	6	5	10	-4.7500	0.7078	85	-6.71	<.0001	<.0001	0.05	-6.1573	-3.3427
5	6	6	5	0.7500	1.1227	85	0.67	0.5059	1.0000	0.05	-1.4822	2.9822
5	6	6	6	-1.0000	1.1227	85	-0.89	0.3756	1.0000	0.05	-3.2322	1.2322
5	6	6	7	-1.5000	1.1227	85	-1.34	0.1851	1.0000	0.05	-3.7322	0.7322
5	6	6	8	-2.0000	1.1227	85	-1.78	0.0784	0.9978	0.05	-4.2322	0.2322
5	6	6	9	-2.0000	1.1227	85	-1.78	0.0784	0.9978	0.05	-4.2322	0.2322
5	6	6	10	-2.7500	1.1227	85	-2.45	0.0164	0.8637	0.05	-4.9822	-0.5178
5	7	5	8	-0.2500	0.7078	85	-0.35	0.7248	1.0000	0.05	-1.6573	1.1573
5	7	5	9	-2.2500	0.7078	85	-3.18	0.0021	0.3556	0.05	-3.6573	-0.8427
5	7	5	10	-4.0000	0.7078	85	-5.65	<.0001	0.0001	0.05	-5.4073	-2.5927
5	7	6	5	1.5000	1.1227	85	1.34	0.1851	1.0000	0.05	-0.7322	3.7322
5	7	6	6	-0.2500	1.1227	85	-0.22	0.8243	1.0000	0.05	-2.4822	1.9822
5	7	6	7	-0.7500	1.1227	85	-0.67	0.5059	1.0000	0.05	-2.9822	1.4822
5	7	6	8	-1.2500	1.1227	85	-1.11	0.2687	1.0000	0.05	-3.4822	0.9822
5	7	6	9	-1.2500	1.1227	85	-1.11	0.2687	1.0000	0.05	-3.4822	0.9822
5	7	6	10	-2.0000	1.1227	85	-1.78	0.0784	0.9978	0.05	-4.2322	0.2322
5	8	5	9	-2.0000	0.7078	85	-2.83	0.0059	0.6160	0.05	-3.4073	-0.5927
5	8	5	10	-3.7500	0.7078	85	-5.30	<.0001	0.0005	0.05	-5.1573	-2.3427
5	8	6	5	1.7500	1.1227	85	1.56	0.1228	0.9998	0.05	-0.4822	3.9822
5	8	6	6	-619E-14	1.1227	85	-0.00	1.0000	1.0000	0.05	-2.2322	2.2322
5	8	6	7	-0.5000	1.1227	85	-0.45	0.6572	1.0000	0.05	-2.7322	1.7322
5	8	6	8	-1.0000	1.1227	85	-0.89	0.3756	1.0000	0.05	-3.2322	1.2322
5	8	6	9	-1.0000	1.1227	85	-0.89	0.3756	1.0000	0.05	-3.2322	1.2322
5	8	6	10	-1.7500	1.1227	85	-1.56	0.1228	0.9998	0.05	-3.9822	0.4822
5	9	5	10	-1.7500	0.7078	85	-2.47	0.0154	0.8520	0.05	-3.1573	-0.3427
5	9	6	5	3.7500	1.1227	85	3.34	0.0012	0.2576	0.05	1.5178	5.9822
5	9	6	6	2.0000	1.1227	85	1.78	0.0784	0.9978	0.05	-0.2322	4.2322
5	9	6	7	1.5000	1.1227	85	1.34	0.1851	1.0000	0.05	-0.7322	3.7322
5	9	6	8	1.0000	1.1227	85	0.89	0.3756	1.0000	0.05	-1.2322	3.2322
5	9	6	9	1.0000	1.1227	85	0.89	0.3756	1.0000	0.05	-1.2322	3.2322
5	9	6	10	0.2500	1.1227	85	0.22	0.8243	1.0000	0.05	-1.9822	2.4822
5	10	6	5	5.5000	1.1227	85	4.90	<.0001	0.0022	0.05	3.2678	7.7322
5	10	6	6	3.7500	1.1227	85	3.34	0.0012	0.2576	0.05	1.5178	5.9822
5	10	6	7	3.2500	1.1227	85	2.89	0.0048	0.5631	0.05	1.0178	5.4822

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
5	6	5	10	-7.5654	-1.9346
5	6	6	5	-3.7158	5.2158
5	6	6	6	-5.4658	3.4658
5	6	6	7	-5.9658	2.9658
5	6	6	8	-6.4658	2.4658
5	6	6	9	-6.4658	2.4658
5	6	6	10	-7.2158	1.7158
5	7	5	8	-3.0654	2.5654
5	7	5	9	-5.0654	0.5654
5	7	5	10	-6.8154	-1.1846
5	7	6	5	-2.9658	5.9658
5	7	6	6	-4.7158	4.2158
5	7	6	7	-5.2158	3.7158
5	7	6	8	-5.7158	3.2158
5	7	6	9	-5.7158	3.2158
5	7	6	10	-6.4658	2.4658
5	8	5	9	-4.8154	0.8154
5	8	5	10	-6.5654	-0.9346
5	8	6	5	-2.7158	6.2158
5	8	6	6	-4.4658	4.4658
5	8	6	7	-4.9658	3.9658
5	8	6	8	-5.4658	3.4658
5	8	6	9	-5.4658	3.4658
5	8	6	10	-6.2158	2.7158
5	9	5	10	-4.5654	1.0654
5	9	6	5	-0.7158	8.2158
5	9	6	6	-2.4658	6.4658
5	9	6	7	-2.9658	5.9658
5	9	6	8	-3.4658	5.4658
5	9	6	9	-3.4658	5.4658
5	9	6	10	-4.2158	4.7158
5	10	6	5	1.0342	9.9658
5	10	6	6	-0.7158	8.2158
5	10	6	7	-1.2158	7.7158

The PLM Procedure

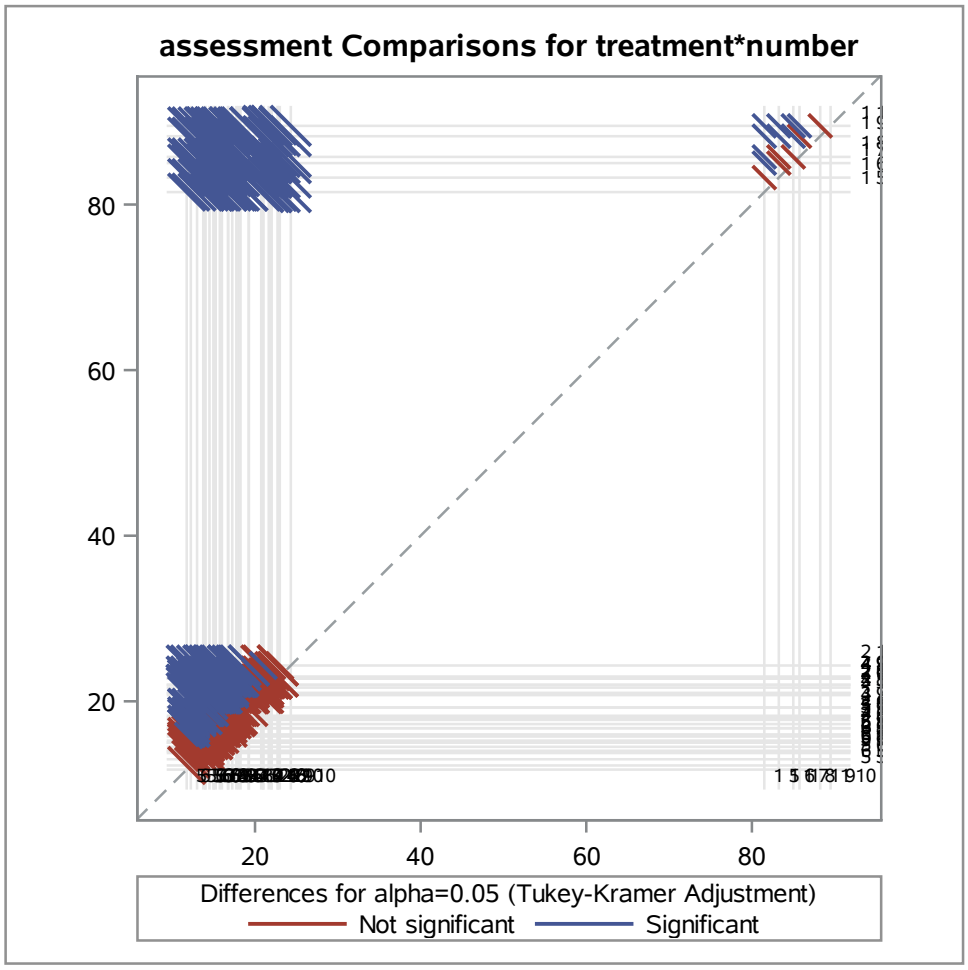
Differences of treatment*number Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	number	_treatment	_number	Estimate	Standard Error	DF	t Value	Pr > |t|	Adj P	Alpha	Lower	Upper
5	10	6	8	2.7500	1.1227	85	2.45	0.0164	0.8637	0.05	0.5178	4.9822
5	10	6	9	2.7500	1.1227	85	2.45	0.0164	0.8637	0.05	0.5178	4.9822
5	10	6	10	2.0000	1.1227	85	1.78	0.0784	0.9978	0.05	-0.2322	4.2322
6	5	6	6	-1.7500	0.7078	85	-2.47	0.0154	0.8520	0.05	-3.1573	-0.3427
6	5	6	7	-2.2500	0.7078	85	-3.18	0.0021	0.3556	0.05	-3.6573	-0.8427
6	5	6	8	-2.7500	0.7078	85	-3.89	0.0002	0.0654	0.05	-4.1573	-1.3427
6	5	6	9	-2.7500	0.7078	85	-3.89	0.0002	0.0654	0.05	-4.1573	-1.3427
6	5	6	10	-3.5000	0.7078	85	-4.94	<.0001	0.0019	0.05	-4.9073	-2.0927
6	6	6	7	-0.5000	0.7078	85	-0.71	0.4819	1.0000	0.05	-1.9073	0.9073
6	6	6	8	-1.0000	0.7078	85	-1.41	0.1614	1.0000	0.05	-2.4073	0.4073
6	6	6	9	-1.0000	0.7078	85	-1.41	0.1614	1.0000	0.05	-2.4073	0.4073
6	6	6	10	-1.7500	0.7078	85	-2.47	0.0154	0.8520	0.05	-3.1573	-0.3427
6	7	6	8	-0.5000	0.7078	85	-0.71	0.4819	1.0000	0.05	-1.9073	0.9073
6	7	6	9	-0.5000	0.7078	85	-0.71	0.4819	1.0000	0.05	-1.9073	0.9073
6	7	6	10	-1.2500	0.7078	85	-1.77	0.0810	0.9981	0.05	-2.6573	0.1573
6	8	6	9	1.29E-14	0.7078	85	0.00	1.0000	1.0000	0.05	-1.4073	1.4073
6	8	6	10	-0.7500	0.7078	85	-1.06	0.2923	1.0000	0.05	-2.1573	0.6573
6	9	6	10	-0.7500	0.7078	85	-1.06	0.2923	1.0000	0.05	-2.1573	0.6573

The PLM Procedure

Differences of treatment*number Least Squares Means Adjustment for Multiple Comparisons: Tukey-Kramer					
treatment	number	_treatment	_number	Adj Lower	Adj Upper
5	10	6	8	-1.7158	7.2158
5	10	6	9	-1.7158	7.2158
5	10	6	10	-2.4658	6.4658
6	5	6	6	-4.5654	1.0654
6	5	6	7	-5.0654	0.5654
6	5	6	8	-5.5654	0.06542
6	5	6	9	-5.5654	0.06542
6	5	6	10	-6.3154	-0.6846
6	6	6	7	-3.3154	2.3154
6	6	6	8	-3.8154	1.8154
6	6	6	9	-3.8154	1.8154
6	6	6	10	-4.5654	1.0654
6	7	6	8	-3.3154	2.3154
6	7	6	9	-3.3154	2.3154
6	7	6	10	-4.0654	1.5654
6	8	6	9	-2.8154	2.8154
6	8	6	10	-3.5654	2.0654
6	9	6	10	-3.5654	2.0654

The PLM Procedure



Conservative Tukey-Kramer Grouping for treatment*number Least Squares Means (Alpha=0.05)								
LS-means with the same letter are not significantly different.								
treatment	number	Estimate						
1	10	89.5000				A		
						A		
1	9	88.2500		B		A		
				B				
1	8	85.7500		B		C		
						C		
1	7	85.0000				C		
						C		
1	6	83.2500		D		C		
				D				
1	5	81.5000		D				
2	10	24.3220				E		
						E		

The PLM Procedure

Conservative Tukey-Kramer Grouping for treatment*number Least Squares Means (Alpha=0.05)								
LS-means with the same letter are not significantly different.								
treatment	number	Estimate						
2	9	22.9887		F		E		
				F		E		
4	9	22.7500		F		E		
				F		E		
4	10	22.7500		F		E		
				F		E		
2	6	21.9887		F		E	G	
				F		E	G	
2	8	21.9887		F		E	G	
				F		E	G	
2	7	21.6554		F		E	G	
				F		E	G	
4	8	21.0000		F	H	E	G	
				F	H	E	G	
2	5	20.9887		F	H	E	G	
				F	H	E	G	
3	10	20.7500		F	H	E	G	
				F	H		G	
3	9	19.2500		F	H	I	G	
				F	H	I	G	
4	7	19.2500		F	H	I	G	
				F	H	I	G	
4	6	18.2500	J	F	H	I	G	
			J		H	I	G	
3	8	18.0000	J	K	H	I	G	
			J	K	H	I	G	
5	10	17.7500	J	K	H	I	G	
			J	K	H	I	G	
3	7	17.2500	J	K	H	I	G	L
			J	K	H	I		L
4	5	16.7500	J	K	H	I		L
			J	K	H	I		L
3	6	16.7500	J	K	H	I		L
			J	K		I		L

The PLM Procedure

Conservative Tukey-Kramer Grouping for treatment*number Least Squares Means (Alpha=0.05)								
LS-means with the same letter are not significantly different.								
treatment	**number**	**Estimate**						
5	9	16.0000	J	K		I	M	L
			J	K		I	M	L
6	10	15.7500	J	K	N	I	M	L
			J	K	N	I	M	L
3	5	15.2500	J	K	N	I	M	L
			J	K	N	I	M	L
6	8	15.0000	J	K	N	I	M	L
			J	K	N	I	M	L
6	9	15.0000	J	K	N	I	M	L
			J	K	N		M	L
6	7	14.5000	J	K	N		M	L
			J	K	N		M	L
6	6	14.0000	J	K	N		M	L
			J	K	N		M	L
5	8	14.0000	J	K	N		M	L
				K	N		M	L
5	7	13.7500		K	N		M	L
					N		M	L
5	6	13.0000			N		M	L
					N		M	
6	5	12.2500			N		M	
					N			
5	5	11.7500			N			

Split Plot - MIVQUE Variance components

Variance Components Estimation Procedure

Class Level Information		
Class	**Levels**	**Values**
replicate	4	1 2 3 4
treatment	6	1 2 3 4 5 6
number	6	5 6 7 8 9 10

Number of Observations Read	144
Number of Observations Used	138

MIVQUE(0) SSQ Matrix				
Source	**replicate**	**replicate*treatment**	**Error**	**assessment**
replicate	3492.0	612.00000	102.00000	1126.0
replicate*treatment	612.00000	612.00000	102.00000	1048.0
Error	102.00000	102.00000	102.00000	259.83341

MIVQUE(0) Estimates	
Variance Component	**assessment**
Var(replicate)	0.02708
Var(replicate*treatment)	1.51834
Var(Error)	1.00196

The GLM Procedure

Class Level Information		
Class	**Levels**	**Values**
replicate	4	1 2 3 4
treatment	6	1 2 3 4 5 6

Number of Observations Read	24
Number of Observations Used	23

The GLM Procedure

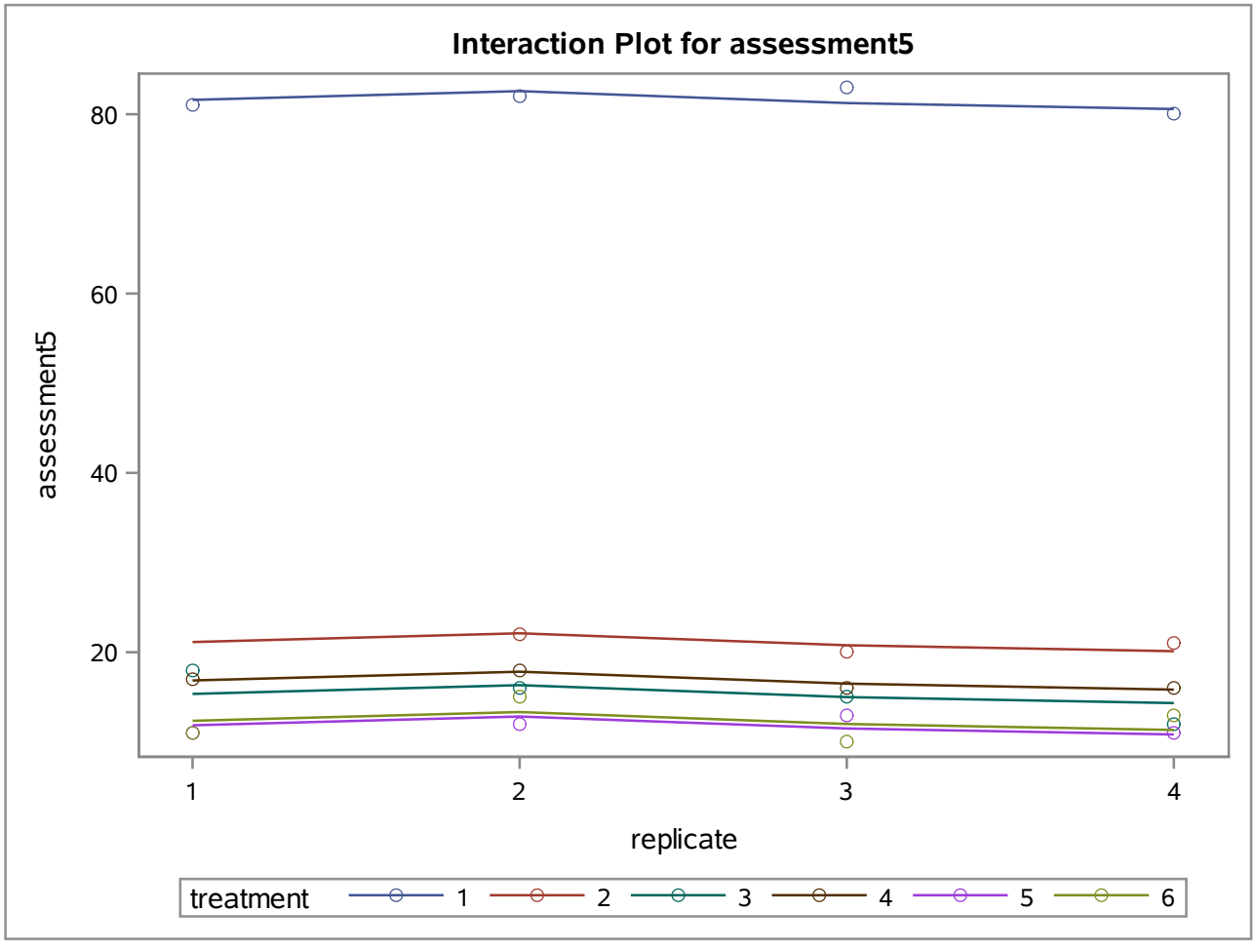
Dependent Variable: assessment5

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	14771.73137	1846.46642	771.91	<.0001
Error	14	33.48890	2.39206		
Corrected Total	22	14805.22026			

R-Square	Coeff Var	Root MSE	assessment5 Mean
0.997738	5.803015	1.546630	26.65218

Source	DF	Type I SS	Mean Square	F Value	Pr > F
replicate	3	18.18406	6.06135	2.53	0.0990
treatment	5	14753.54730	2950.70946	1233.54	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
replicate	3	12.51112	4.17037	1.74	0.2041
treatment	5	14753.54730	2950.70946	1233.54	<.0001



The GLM Procedure

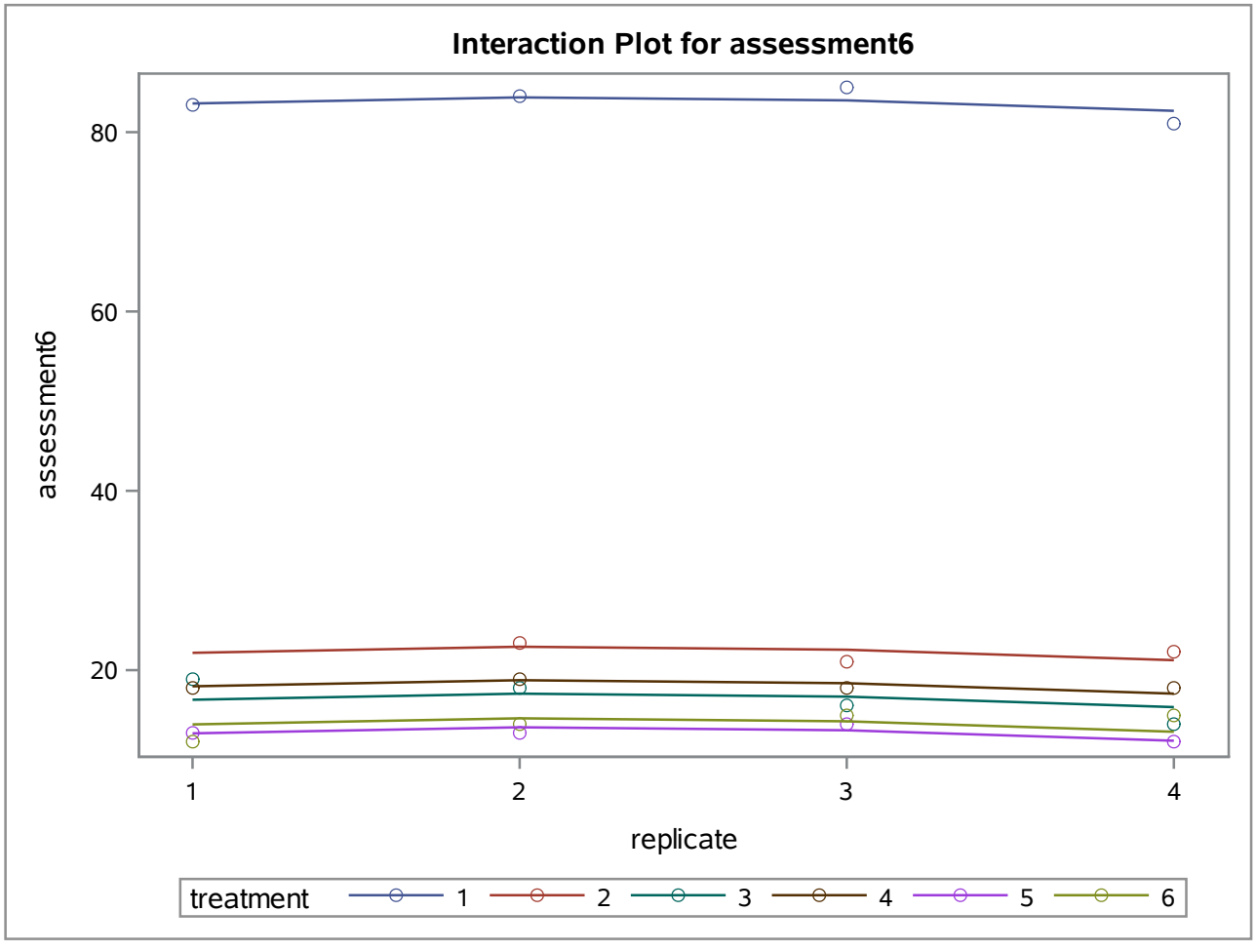
Dependent Variable: assessment6

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	14895.82276	1861.97785	973.08	<.0001
Error	14	26.78890	1.91349		
Corrected Total	22	14922.61166			

R-Square	Coeff Var	Root MSE	assessment6 Mean
0.998205	4.917416	1.383291	28.13044

Source	DF	Type I SS	Mean Square	F Value	Pr > F
replicate	3	12.27536	4.09179	2.14	0.1411
treatment	5	14883.54740	2976.70948	1555.64	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
replicate	3	7.46111	2.48704	1.30	0.3135
treatment	5	14883.54740	2976.70948	1555.64	<.0001



The GLM Procedure

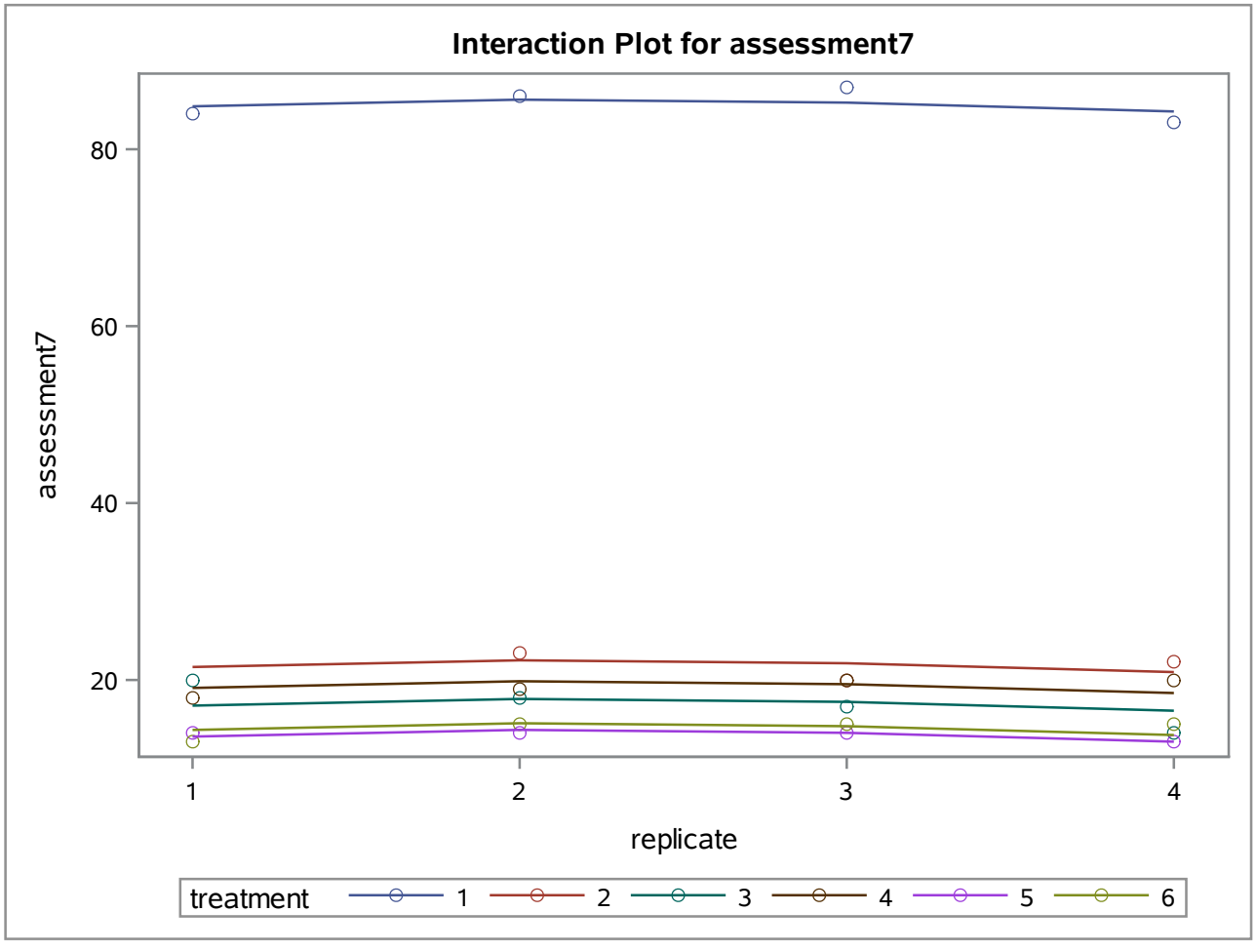
Dependent Variable: assessment7

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	15414.62290	1926.82786	793.66	<.0001
Error	14	33.98890	2.42778		
Corrected Total	22	15448.61180			

R-Square	Coeff Var	Root MSE	assessment7 Mean
0.997800	5.397147	1.558133	28.86957

Source	DF	Type I SS	Mean Square	F Value	Pr > F
replicate	3	11.30870	3.76957	1.55	0.2450
treatment	5	15403.31420	3080.66284	1268.92	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
replicate	3	5.92778	1.97593	0.81	0.5072
treatment	5	15403.31420	3080.66284	1268.92	<.0001



The GLM Procedure

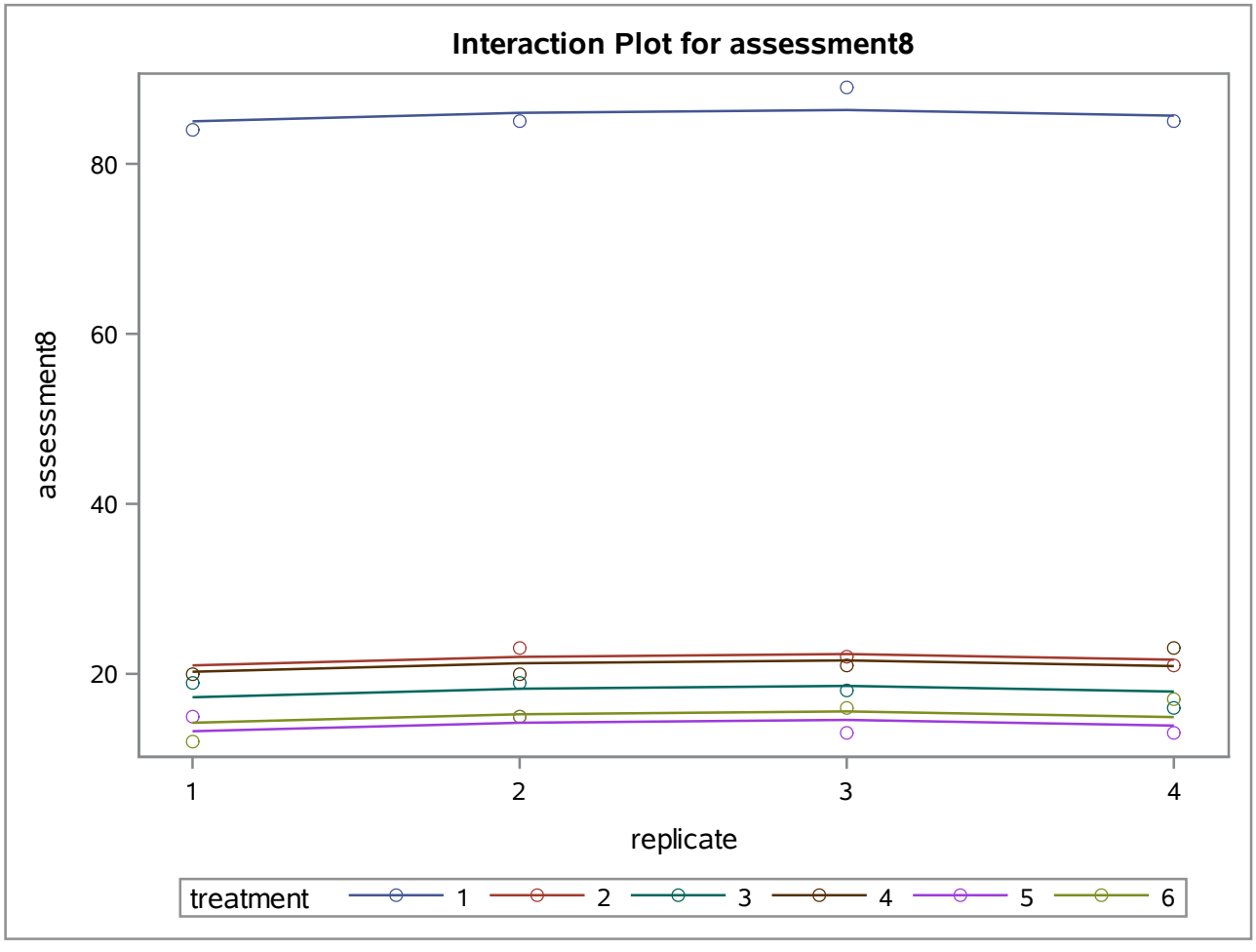
Dependent Variable: assessment8

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	15449.81472	1931.22684	648.89	<.0001
Error	14	41.66668	2.97619		
Corrected Total	22	15491.48140			

R-Square	Coeff Var	Root MSE	assessment8 Mean
0.997310	5.826545	1.725164	29.60870

Source	DF	Type I SS	Mean Square	F Value	Pr > F
replicate	3	2.31159	0.77053	0.26	0.8538
treatment	5	15447.50313	3089.50063	1038.07	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
replicate	3	5.08334	1.69445	0.57	0.6443
treatment	5	15447.50313	3089.50063	1038.07	<.0001



The GLM Procedure

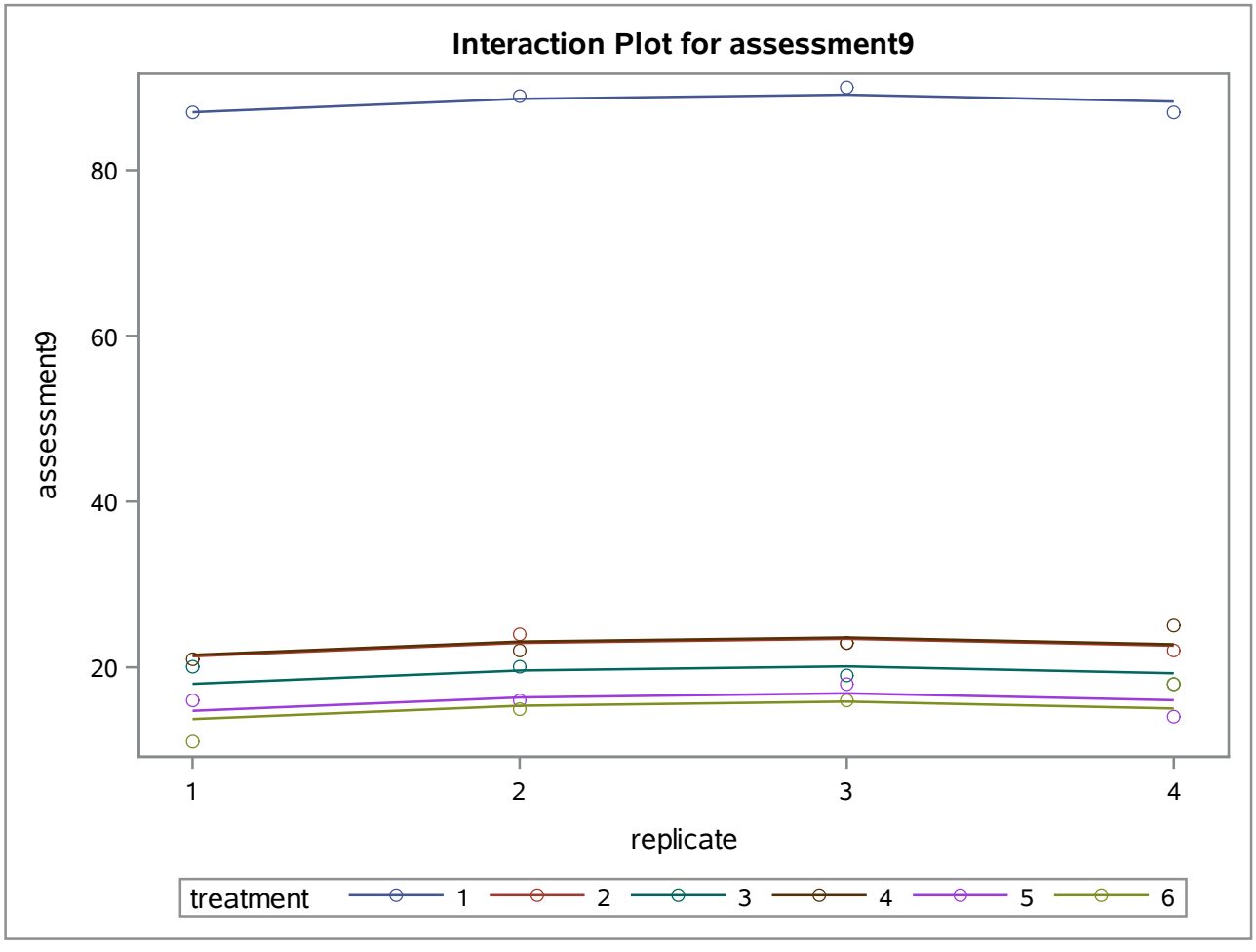
Dependent Variable: assessment9

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	16063.23755	2007.90469	673.76	<.0001
Error	14	41.72224	2.98016		
Corrected Total	22	16104.95979			

R-Square	Coeff Var	Root MSE	assessment9 Mean
0.997409	5.560955	1.726314	31.04348

Source	DF	Type I SS	Mean Square	F Value	Pr > F
replicate	3	2.12319	0.70773	0.24	0.8687
treatment	5	16061.11436	3212.22287	1077.87	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
replicate	3	12.52778	4.17593	1.40	0.2838
treatment	5	16061.11436	3212.22287	1077.87	<.0001



Split Plot - Multivariate Repeated

The GLM Procedure

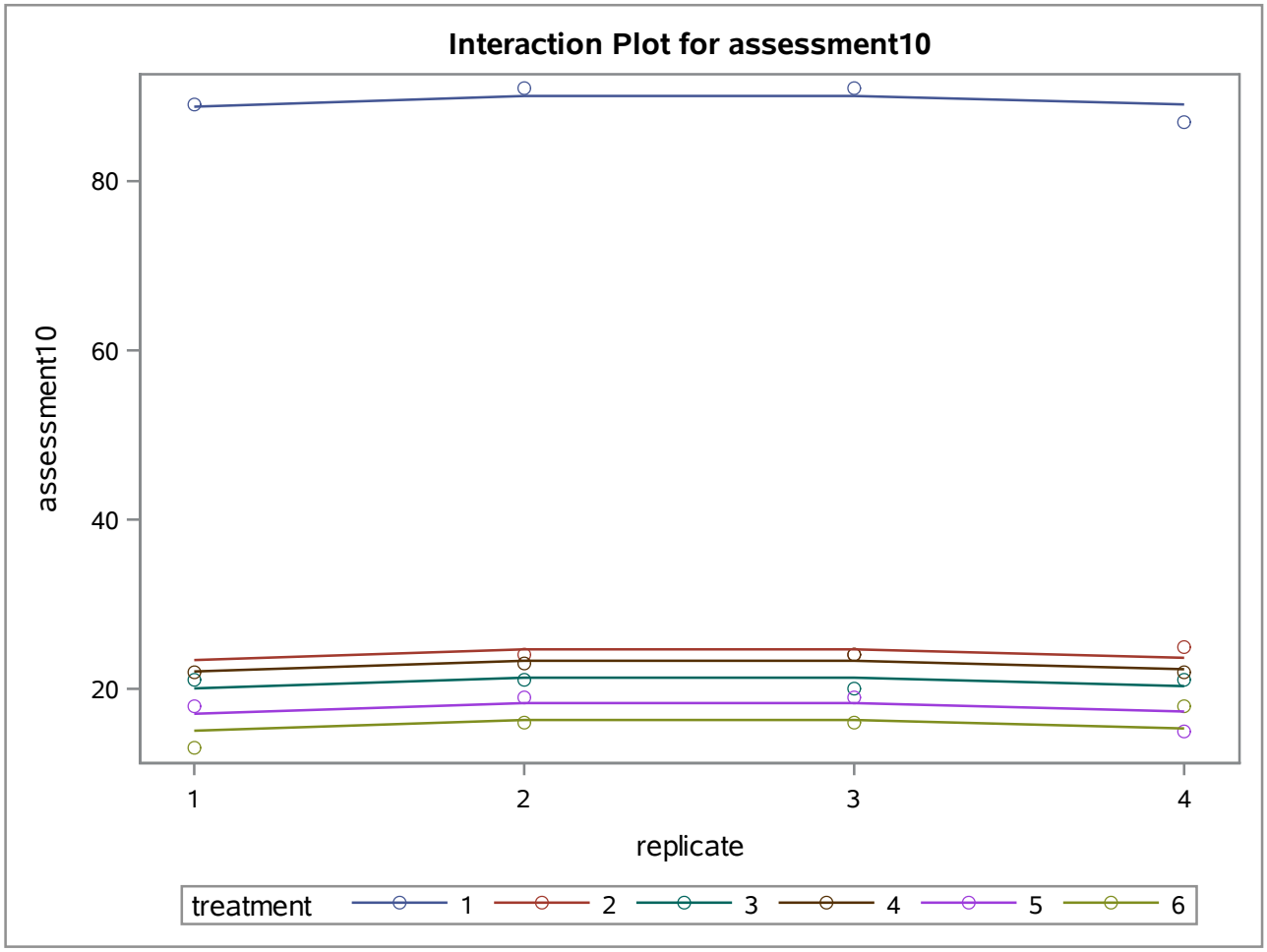
Dependent Variable: assessment10

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	16125.21193	2015.65149	898.70	<.0001
Error	14	31.40001	2.24286		
Corrected Total	22	16156.61193			

R-Square	Coeff Var	Root MSE	assessment10 Mean
0.998057	4.661055	1.497617	32.13044

Source	DF	Type I SS	Mean Square	F Value	Pr > F
replicate	3	5.40869	1.80290	0.80	0.5123
treatment	5	16119.80323	3223.96065	1437.43	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
replicate	3	7.26667	2.42222	1.08	0.3895
treatment	5	16119.80323	3223.96065	1437.43	<.0001



Split Plot - Multivariate Repeated

The GLM Procedure
Repeated Measures Analysis of Variance

Repeated Measures Level Information						
Dependent Variable	**assessment5**	**assessment6**	**assessment7**	**assessment8**	**assessment9**	**assessment10**
Level of time	1	2	3	4	5	6

Partial Correlation Coefficients from the Error SSCP Matrix / Prob > |r|						
DF = 14	**assessment5**	**assessment6**	**assessment7**	**assessment8**	**assessment9**	**assessment10**
assessment5	1.000000	0.687393 0.0046	0.675632 0.0057	0.419403 0.1197	0.500868 0.0572	0.343329 0.2103
assessment6	0.687393 0.0046	1.000000	0.874715 <.0001	0.678447 0.0054	0.784347 0.0005	0.583849 0.0223
assessment7	0.675632 0.0057	0.874715 <.0001	1.000000	0.724108 0.0023	0.704448 0.0034	0.450481 0.0920
assessment8	0.419403 0.1197	0.678447 0.0054	0.724108 0.0023	1.000000	0.775483 0.0007	0.414698 0.1243
assessment9	0.500868 0.0572	0.784347 0.0005	0.704448 0.0034	0.775483 0.0007	1.000000	0.672284 0.0060
assessment10	0.343329 0.2103	0.583849 0.0223	0.450481 0.0920	0.414698 0.1243	0.672284 0.0060	1.000000

time_N represents the contrast between the nth level of time and the last M Matrix Describing Transformed Variables						
	assessment5	**assessment6**	**assessment7**	**assessment8**	**assessment9**	**assessment10**
time_1	1.000000000	0.000000000	0.000000000	0.000000000	0.000000000	-1.000000000
time_2	0.000000000	1.000000000	0.000000000	0.000000000	0.000000000	-1.000000000
time_3	0.000000000	0.000000000	1.000000000	0.000000000	0.000000000	-1.000000000
time_4	0.000000000	0.000000000	0.000000000	1.000000000	0.000000000	-1.000000000
time_5	0.000000000	0.000000000	0.000000000	0.000000000	1.000000000	-1.000000000

E = Error SSCP Matrix time_N represents the contrast between the nth level of time and the last					
	time_1	**time_2**	**time_3**	**time_4**	**time_5**
time_1	42.622	23.922	28.344	20.933	14.656
time_2	23.922	24.322	26.144	22.133	16.356
time_3	28.344	26.144	35.956	28.933	18.878
time_4	20.933	22.133	28.933	43.067	24.400
time_5	14.656	16.356	18.878	24.400	24.456

Split Plot - Multivariate Repeated

The GLM Procedure
Repeated Measures Analysis of Variance

Partial Correlation Coefficients from the Error SSCP Matrix of the Variables Defined by the Specified Transformation / Prob > |r|					
DF = 14	time_1	time_2	time_3	time_4	time_5
time_1	1.000000	0.742988 0.0015	0.724047 0.0023	0.488596 0.0646	0.453937 0.0892
time_2	0.742988 0.0015	1.000000	0.884087 <.0001	0.683872 0.0049	0.670617 0.0062
time_3	0.724047 0.0023	0.884087 <.0001	1.000000	0.735267 0.0018	0.636618 0.0107
time_4	0.488596 0.0646	0.683872 0.0049	0.735267 0.0018	1.000000	0.751849 0.0012
time_5	0.453937 0.0892	0.670617 0.0062	0.636618 0.0107	0.751849 0.0012	1.000000

Sphericity Tests				
Variables	DF	Mauchly's Criterion	Chi-Square	Pr > ChiSq
Transformed Variates	14	0.0136056	51.996971	<.0001
Orthogonal Components	14	0.2393245	17.302214	0.2404

MANOVA Test Criteria and Exact F Statistics for the Hypothesis of no time Effect H = Type III SSCP Matrix for time E = Error SSCP Matrix S=1 M=1.5 N=4					
Statistic	Value	F Value	Num DF	Den DF	Pr > F
Wilks' Lambda	0.04028168	47.65	5	10	<.0001
Pillai's Trace	0.95971832	47.65	5	10	<.0001
Hotelling-Lawley Trace	23.82518120	47.65	5	10	<.0001
Roy's Greatest Root	23.82518120	47.65	5	10	<.0001

MANOVA Test Criteria and F Approximations for the Hypothesis of no time*replicate Effect H = Type III SSCP Matrix for time*replicate E = Error SSCP Matrix S=3 M=0.5 N=4					
Statistic	Value	F Value	Num DF	Den DF	Pr > F
Wilks' Lambda	0.45719282	0.61	15	28.007	0.8404
Pillai's Trace	0.60656961	0.61	15	36	0.8486
Hotelling-Lawley Trace	1.05098982	0.65	15	14.315	0.7906
Roy's Greatest Root	0.90835770	2.18	5	12	0.1247
NOTE: F Statistic for Roy's Greatest Root is an upper bound.					

Split Plot - Multivariate Repeated

The GLM Procedure
Repeated Measures Analysis of Variance

MANOVA Test Criteria and F Approximations for the Hypothesis of no time*treatment Effect
H = Type III SSCP Matrix for time*treatment
E = Error SSCP Matrix

S=5 M=-0.5 N=4

Statistic	Value	F Value	Num DF	Den DF	Pr > F
Wilks' Lambda	0.08255352	1.48	25	38.65	0.1338
Pillai's Trace	1.39860459	1.09	25	70	0.3796
Hotelling-Lawley Trace	6.10503442	2.22	25	16.678	0.0477
Roy's Greatest Root	5.34570027	14.97	5	14	<.0001

NOTE: F Statistic for Roy's Greatest Root is an upper bound.

Split Plot - Multivariate Repeated

The GLM Procedure
Repeated Measures Analysis of Variance
Tests of Hypotheses for Between Subjects Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F
replicate	3	32.72964	10.90988	1.08	0.3910
treatment	5	92597.80369	18519.56074	1826.68	<.0001
Error	14	141.93708	10.13836		

Split Plot - Multivariate Repeated

The GLM Procedure
Repeated Measures Analysis of Variance
Univariate Tests of Hypotheses for Within Subject Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F	Adj Pr > F	
						G - G	H-F-L
time	5	415.5482351	83.1096470	86.68	<.0001	<.0001	<.0001
time*replicate	15	18.0481512	1.2032101	1.25	0.2544	0.2814	0.2597
time*treatment	25	71.0259425	2.8410377	2.96	0.0002	0.0016	0.0003
Error(time)	70	67.1185409	0.9588363				

Greenhouse-Geisser Epsilon	0.6851
Huynh-Feldt-Lecoutre Epsilon	0.9340

Split Plot - Multivariate Repeated

The GLM Procedure
Repeated Measures Analysis of Variance
Analysis of Variance of Contrast Variables

time_N represents the contrast between the nth level of time and the last

Contrast Variable: time_1

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Mean	1	642.6695660	642.6695660	211.10	<.0001
replicate	3	10.0444485	3.3481495	1.10	0.3820
treatment	5	59.8777908	11.9755582	3.93	0.0195
Error	14	42.6222345	3.0444453		

Contrast Variable: time_2

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Mean	1	341.2507694	341.2507694	196.43	<.0001
replicate	3	3.5944451	1.1981484	0.69	0.5733
treatment	5	53.8777897	10.7755579	6.20	0.0031
Error	14	24.3222299	1.7373021		

Contrast Variable: time_3

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Mean	1	231.2007449	231.2007449	90.02	<.0001
replicate	3	2.4611114	0.8203705	0.32	0.8112
treatment	5	26.6777879	5.3355576	2.08	0.1292
Error	14	35.9555629	2.5682545		

Contrast Variable: time_4

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Mean	1	142.5062708	142.5062708	46.33	<.0001
replicate	3	1.3499987	0.4499996	0.15	0.9304
treatment	5	27.3000070	5.4600014	1.77	0.1827
Error	14	43.0666748	3.0761911		

Contrast Variable: time_5

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Mean	1	28.61736393	28.61736393	16.38	0.0012
replicate	3	3.46111056	1.15370352	0.66	0.5899
treatment	5	8.24444872	1.64888974	0.94	0.4831
Error	14	24.45556394	1.74682600		

Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	assessment5 LSMEAN	Standard Error	Pr > |t|	LSMEAN Number
1	81.5000080	0.7733150	<.0001	1
2	21.0333353	0.9149986	<.0001	2
3	15.2500017	0.7733150	<.0001	3
4	16.7500020	0.7733150	<.0001	4
5	11.7500010	0.7733150	<.0001	5
6	12.2500012	0.7733150	<.0001	6

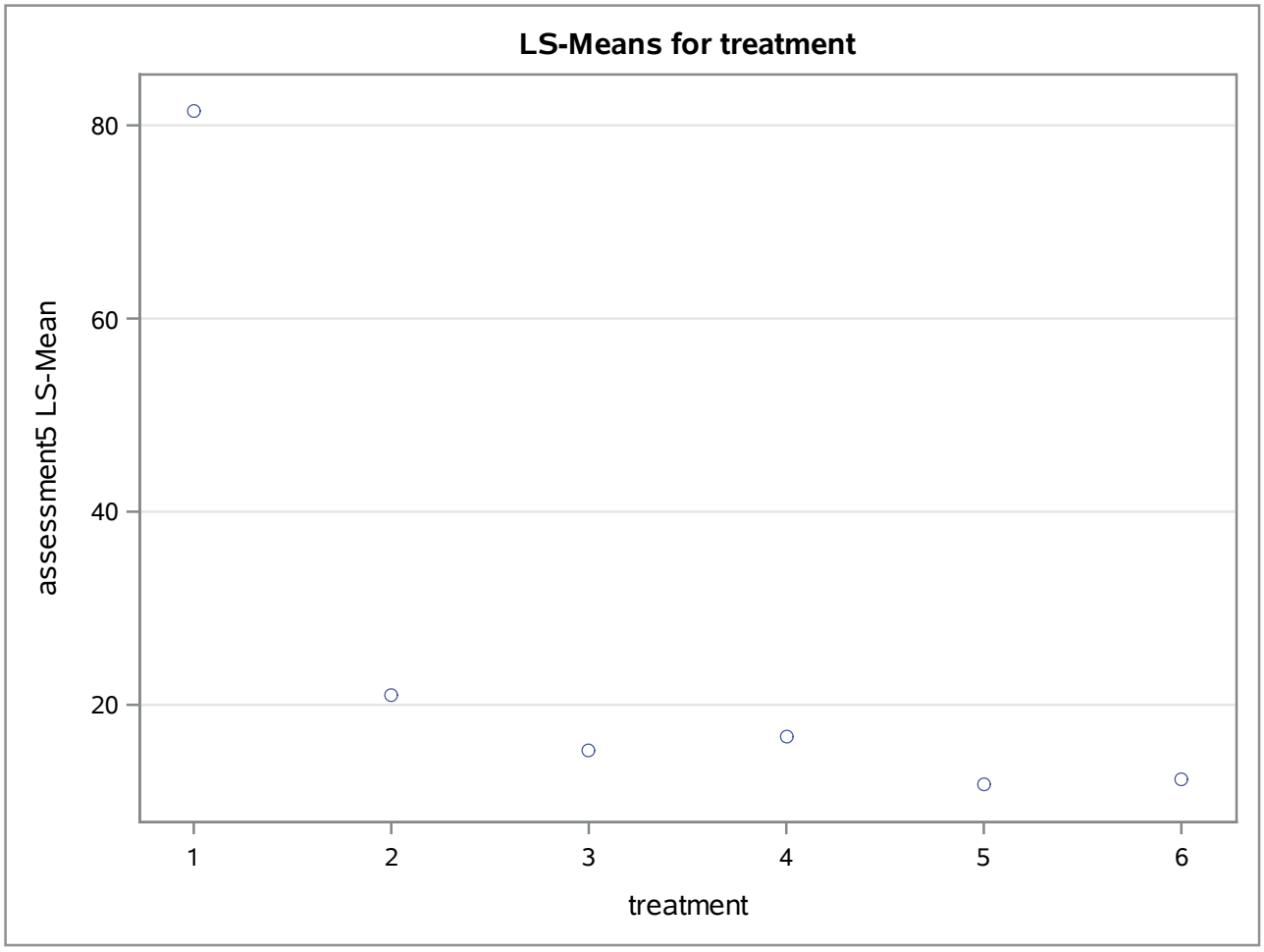
Least Squares Means for effect treatment
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: assessment5

i/j	1	2	3	4	5	6
1		<.0001	<.0001	<.0001	<.0001	<.0001
2	<.0001		0.0029	0.0293	<.0001	<.0001
3	<.0001	0.0029		0.7423	0.0577	0.1273
4	<.0001	0.0293	0.7423		0.0047	0.0108
5	<.0001	<.0001	0.0577	0.0047		0.9969
6	<.0001	<.0001	0.1273	0.0108	0.9969	

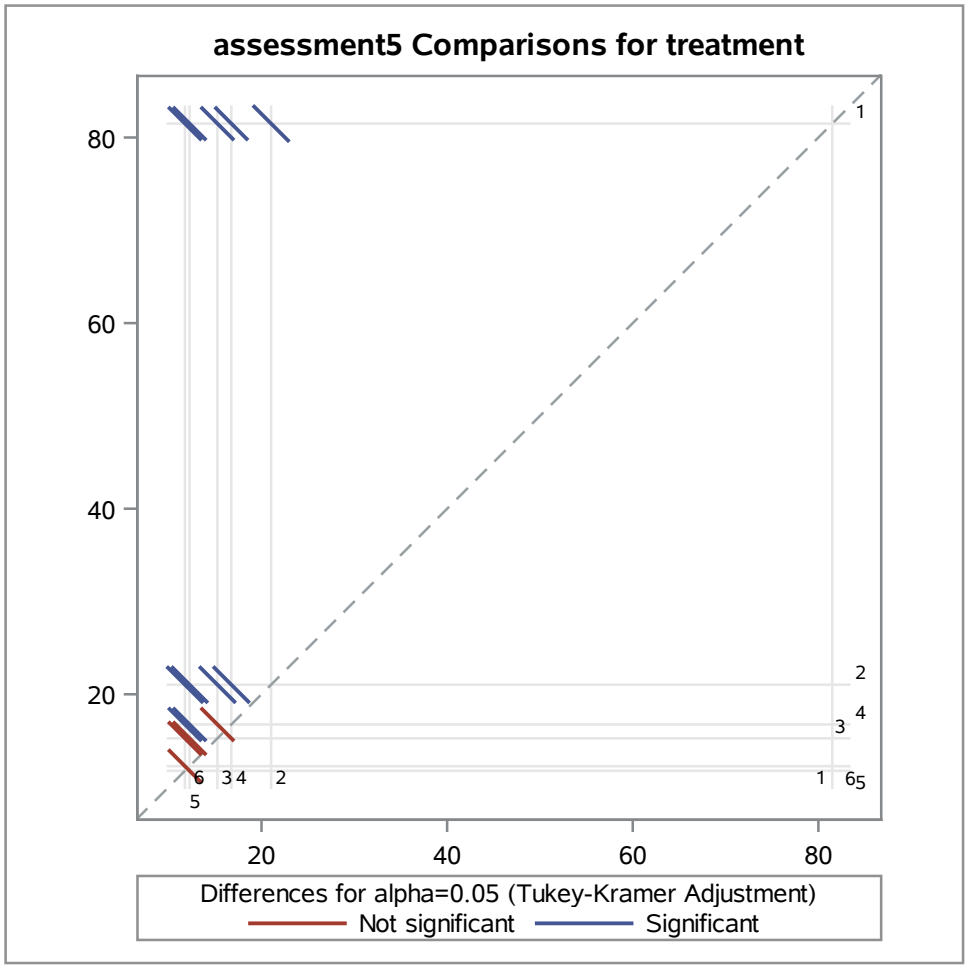
Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Tukey-Kramer Comparison Lines for Least Squares Means of treatment				
LS-means with the same letter are not significantly different.				
		assessment5 LSMEAN	treatment	LSMEAN Number
	A	81.50001	**1**	1
	B	21.03334	**2**	2
	C	16.75000	**4**	4
	C			
D	C	15.25000	**3**	3
D				
D		12.25000	**6**	6
D				
D		11.75000	**5**	5

Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	assessment6 LSMEAN	Standard Error	Pr > |t|	LSMEAN Number
1	83.2500082	0.6916453	<.0001	1
2	21.9833353	0.8183658	<.0001	2
3	16.7500017	0.6916453	<.0001	3
4	18.2500020	0.6916453	<.0001	4
5	13.0000010	0.6916453	<.0001	5
6	14.0000015	0.6916453	<.0001	6

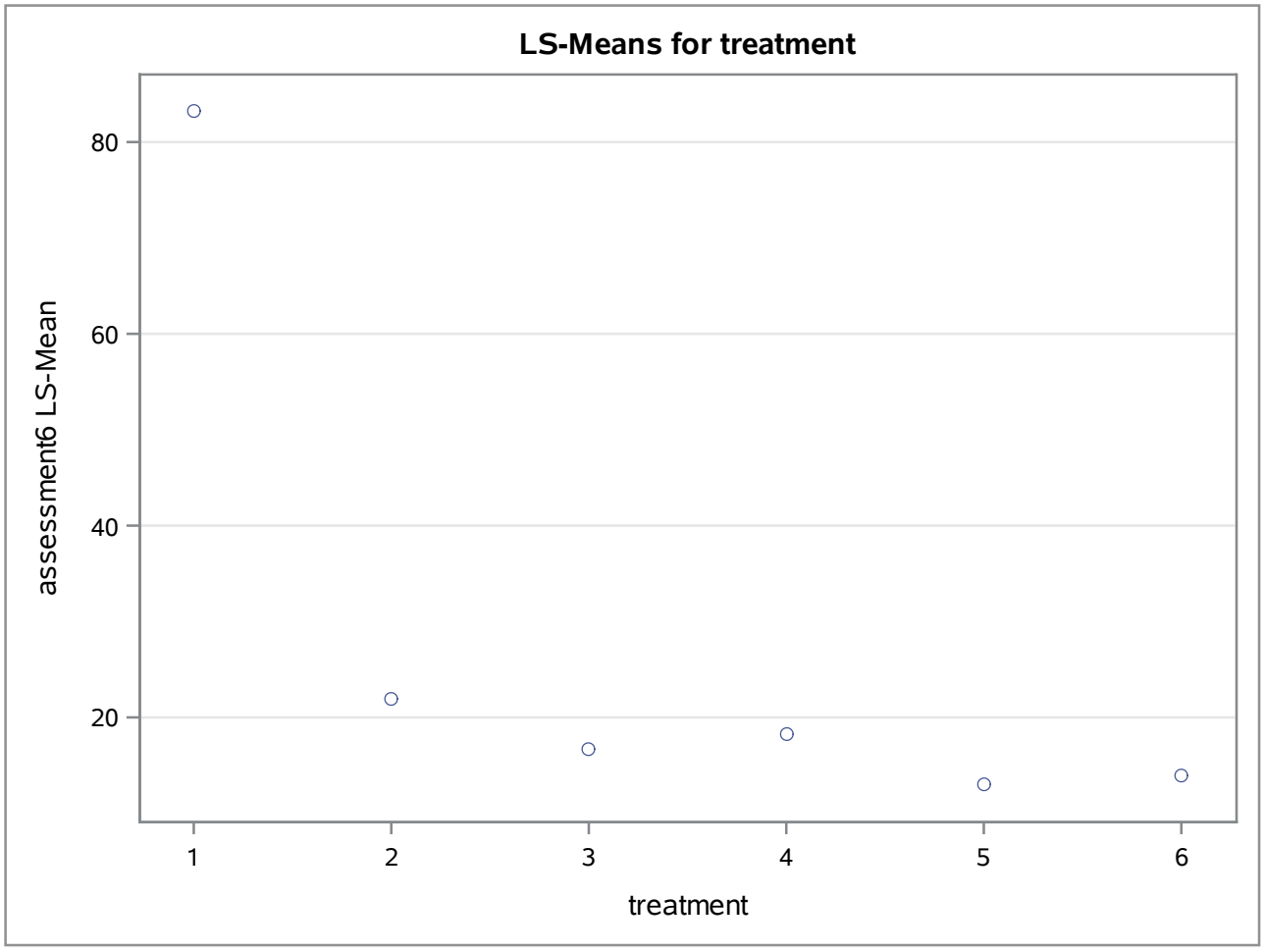
Least Squares Means for effect treatment
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: assessment6

i/j	1	2	3	4	5	6
1		<.0001	<.0001	<.0001	<.0001	<.0001
2	<.0001		0.0027	0.0345	<.0001	<.0001
3	<.0001	0.0027		0.6504	0.0182	0.1135
4	<.0001	0.0345	0.6504		0.0011	0.0071
5	<.0001	<.0001	0.0182	0.0011		0.9027
6	<.0001	<.0001	0.1135	0.0071	0.9027	

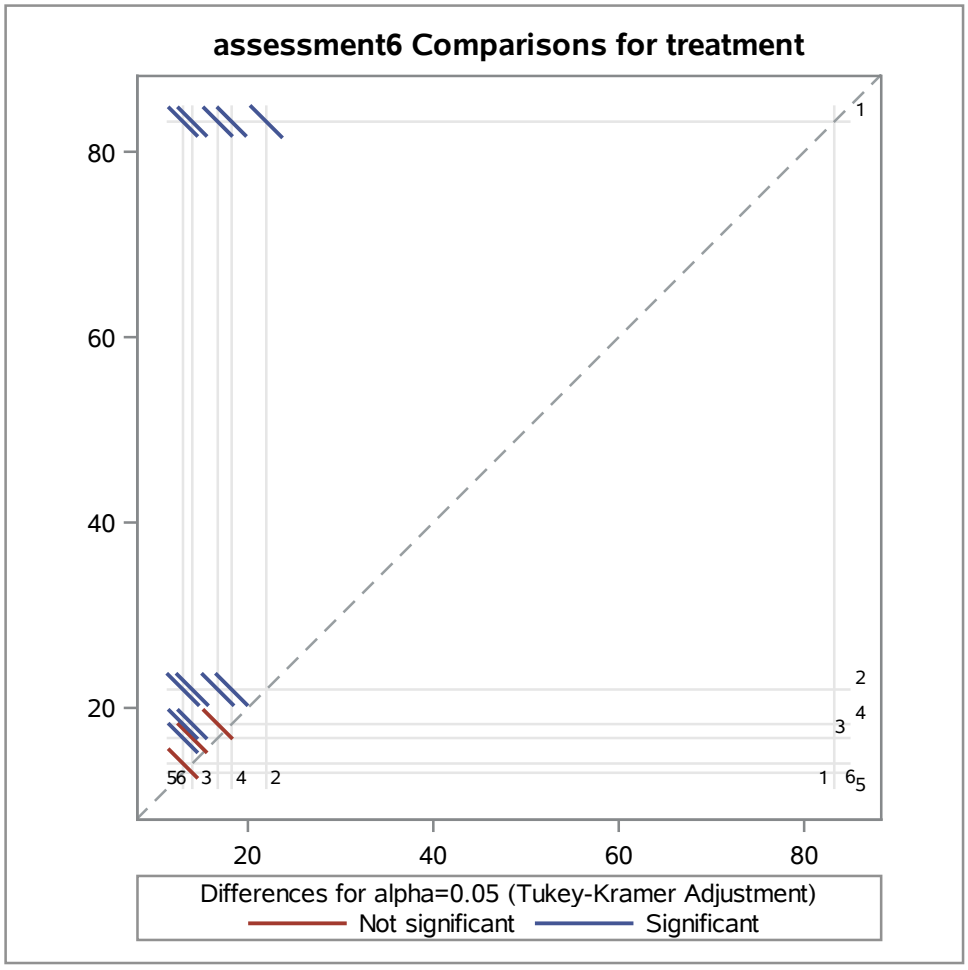
Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Tukey-Kramer Comparison Lines for Least Squares Means of treatment				
LS-means with the same letter are not significantly different.				
		assessment6 LSMEAN	treatment	LSMEAN Number
	A	83.25001	**1**	1
	B	21.98334	**2**	2
	C	18.25000	**4**	4
	C			
D	C	16.75000	**3**	3
D				
D	E	14.00000	**6**	6
	E			
	E	13.00000	**5**	5

Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	assessment7 LSMEAN	Standard Error	Pr > |t|	LSMEAN Number
1	85.0000085	0.7790665	<.0001	1
2	21.6166686	0.9218039	<.0001	2
3	17.2500018	0.7790665	<.0001	3
4	19.2500020	0.7790665	<.0001	4
5	13.7500010	0.7790665	<.0001	5
6	14.5000018	0.7790665	<.0001	6

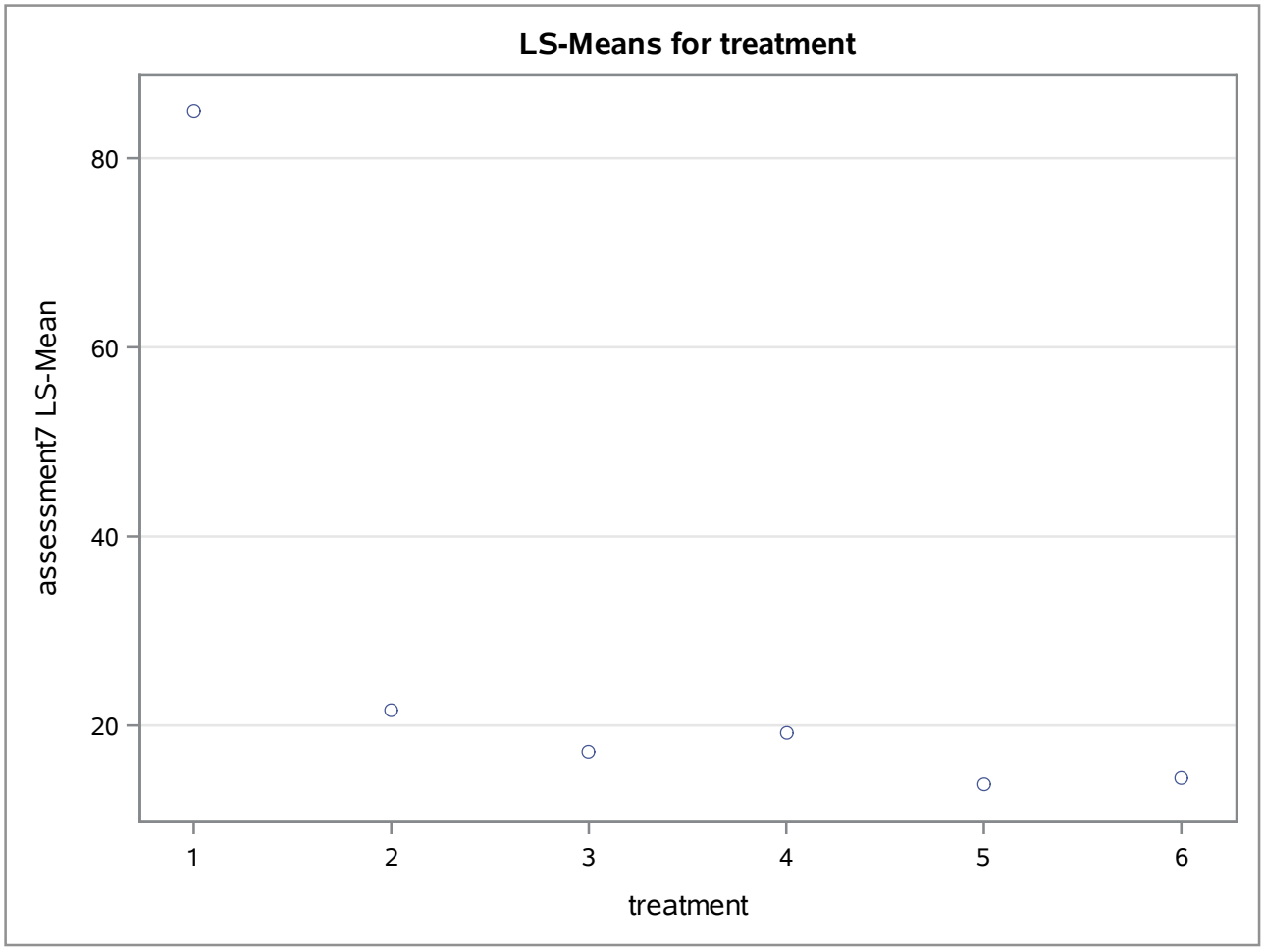
Least Squares Means for effect treatment
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: assessment7

i/j	1	2	3	4	5	6
1		<.0001	<.0001	<.0001	<.0001	<.0001
2	<.0001		0.0271	0.4088	0.0002	0.0005
3	<.0001	0.0271		0.4873	0.0601	0.1902
4	<.0001	0.4088	0.4873		0.0022	0.0075
5	<.0001	0.0002	0.0601	0.0022		0.9813
6	<.0001	0.0005	0.1902	0.0075	0.9813	

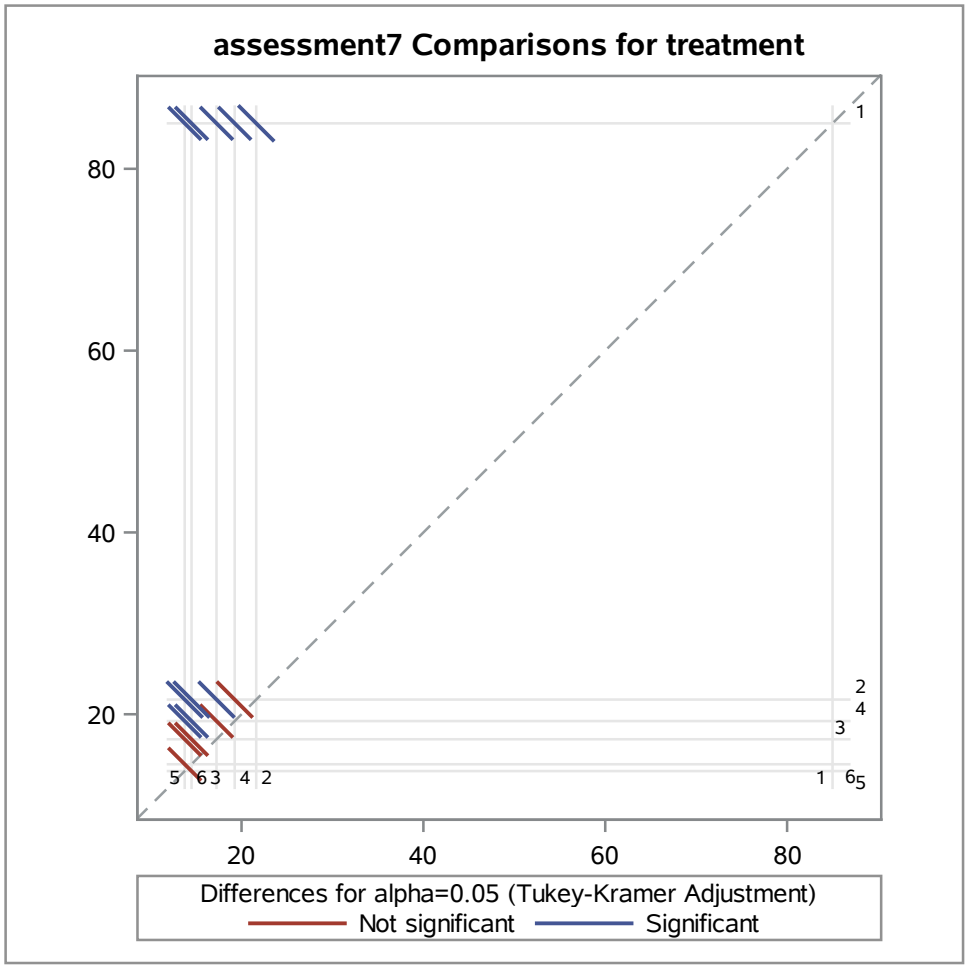
Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Tukey-Kramer Comparison Lines for Least Squares Means of treatment				
LS-means with the same letter are not significantly different.				
		assessment7 LSMEAN	treatment	LSMEAN Number
	A	85.00001	**1**	1
	B	21.61667	**2**	2
	B			
C	B	19.25000	**4**	4
C				
C	D	17.25000	**3**	3
	D			
	D	14.50000	**6**	6
	D			
	D	13.75000	**5**	5

Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	assessment8 LSMEAN	Standard Error	Pr > |t|	LSMEAN Number
1	85.7500088	0.8625821	<.0001	1
2	21.7500019	1.0206209	<.0001	2
3	18.0000020	0.8625821	<.0001	3
4	21.0000020	0.8625821	<.0001	4
5	14.0000015	0.8625821	<.0001	5
6	15.0000018	0.8625821	<.0001	6

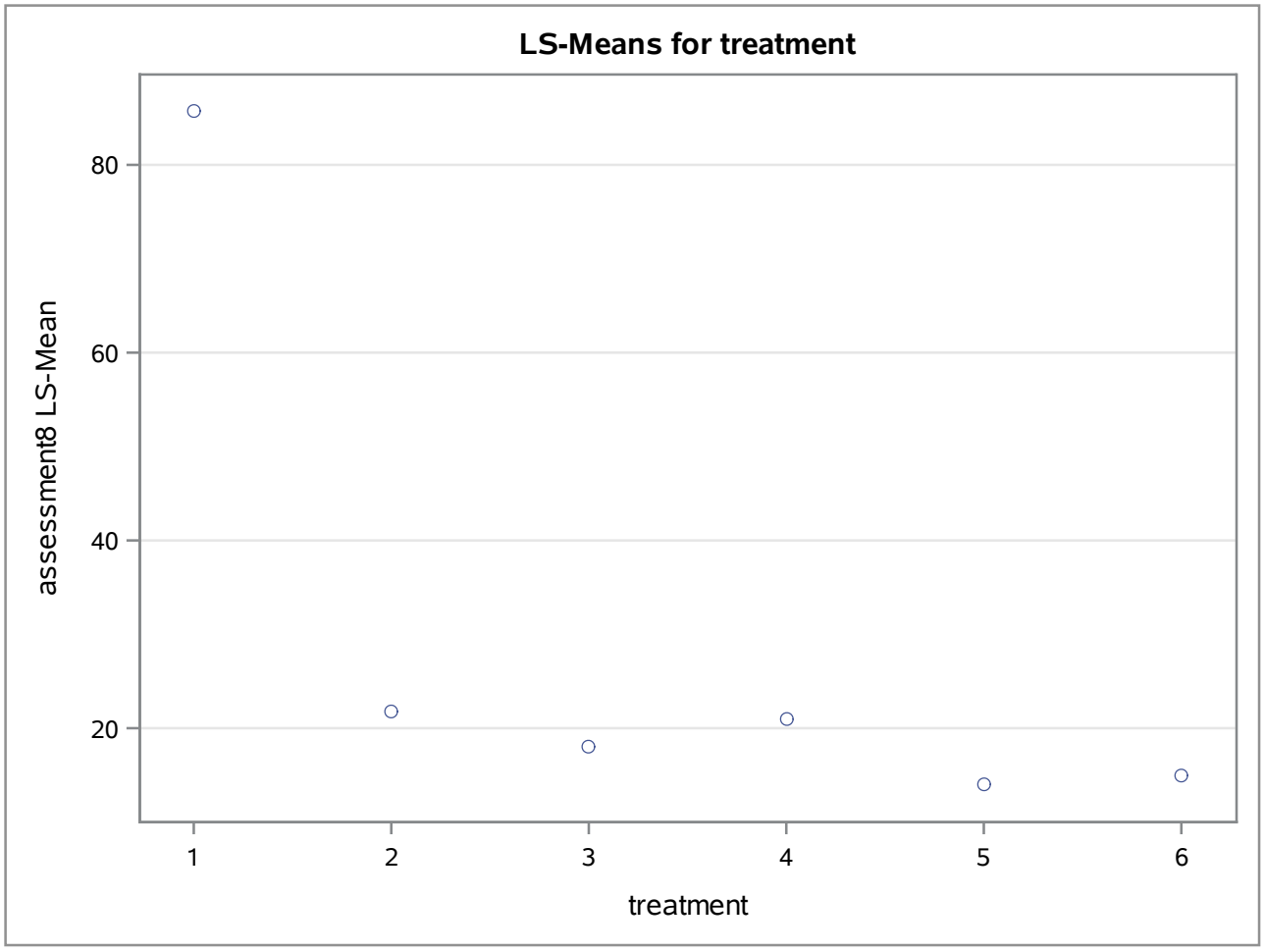
Least Squares Means for effect treatment
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: assessment8

i/j	1	2	3	4	5	6
1		<.0001	<.0001	<.0001	<.0001	<.0001
2	<.0001		0.1145	0.9921	0.0005	0.0020
3	<.0001	0.1145		0.2015	0.0501	0.2015
4	<.0001	0.9921	0.2015		0.0006	0.0025
5	<.0001	0.0005	0.0501	0.0006		0.9589
6	<.0001	0.0020	0.2015	0.0025	0.9589	

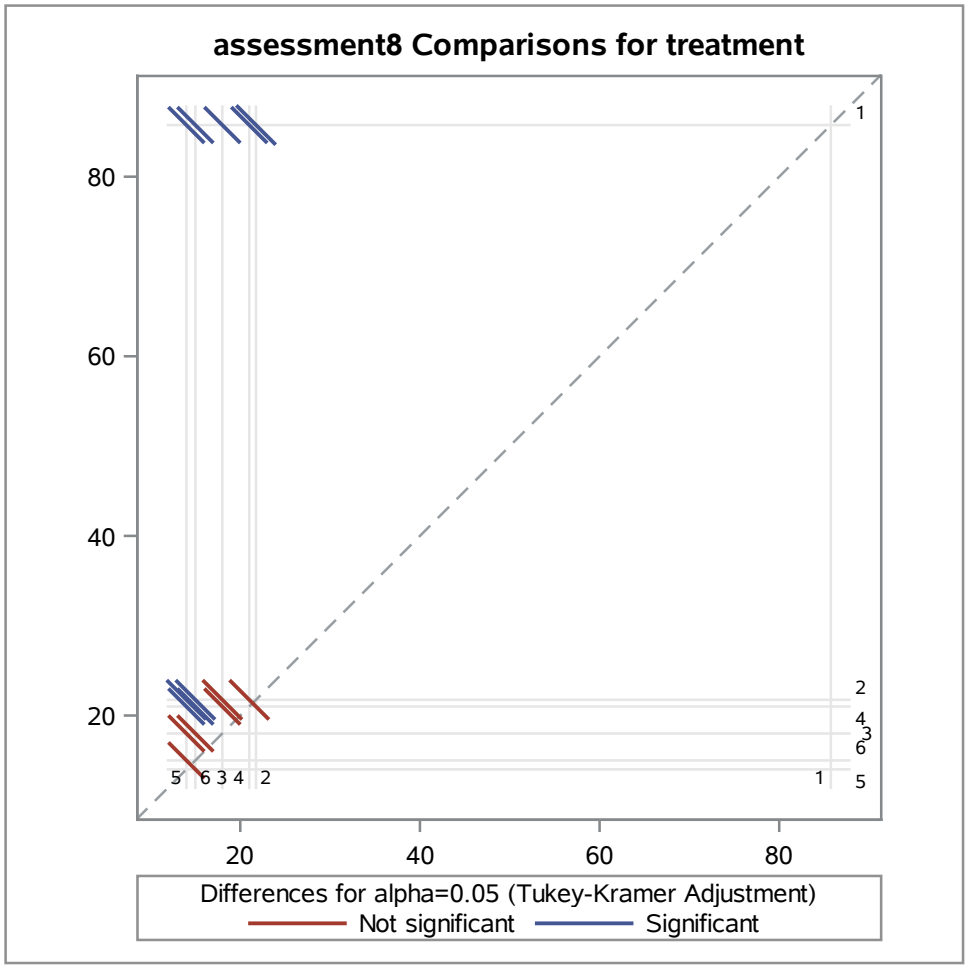
Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Tukey-Kramer Comparison Lines for Least Squares Means of treatment				
LS-means with the same letter are not significantly different.				
		assessment8 LSMEAN	treatment	LSMEAN Number
	A	85.75001	**1**	1
	B	21.75000	**2**	2
	B			
	B	21.00000	**4**	4
	B			
C	B	18.00000	**3**	3
C				
C		15.00000	**6**	6
C				
C		14.00000	**5**	5

Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	assessment9 LSMEAN	Standard Error	Pr > |t|	LSMEAN Number
1	88.2500090	0.8631570	<.0001	1
2	22.5833353	1.0213011	<.0001	2
3	19.2500020	0.8631570	<.0001	3
4	22.7500022	0.8631570	<.0001	4
5	16.0000017	0.8631570	<.0001	5
6	15.0000018	0.8631570	<.0001	6

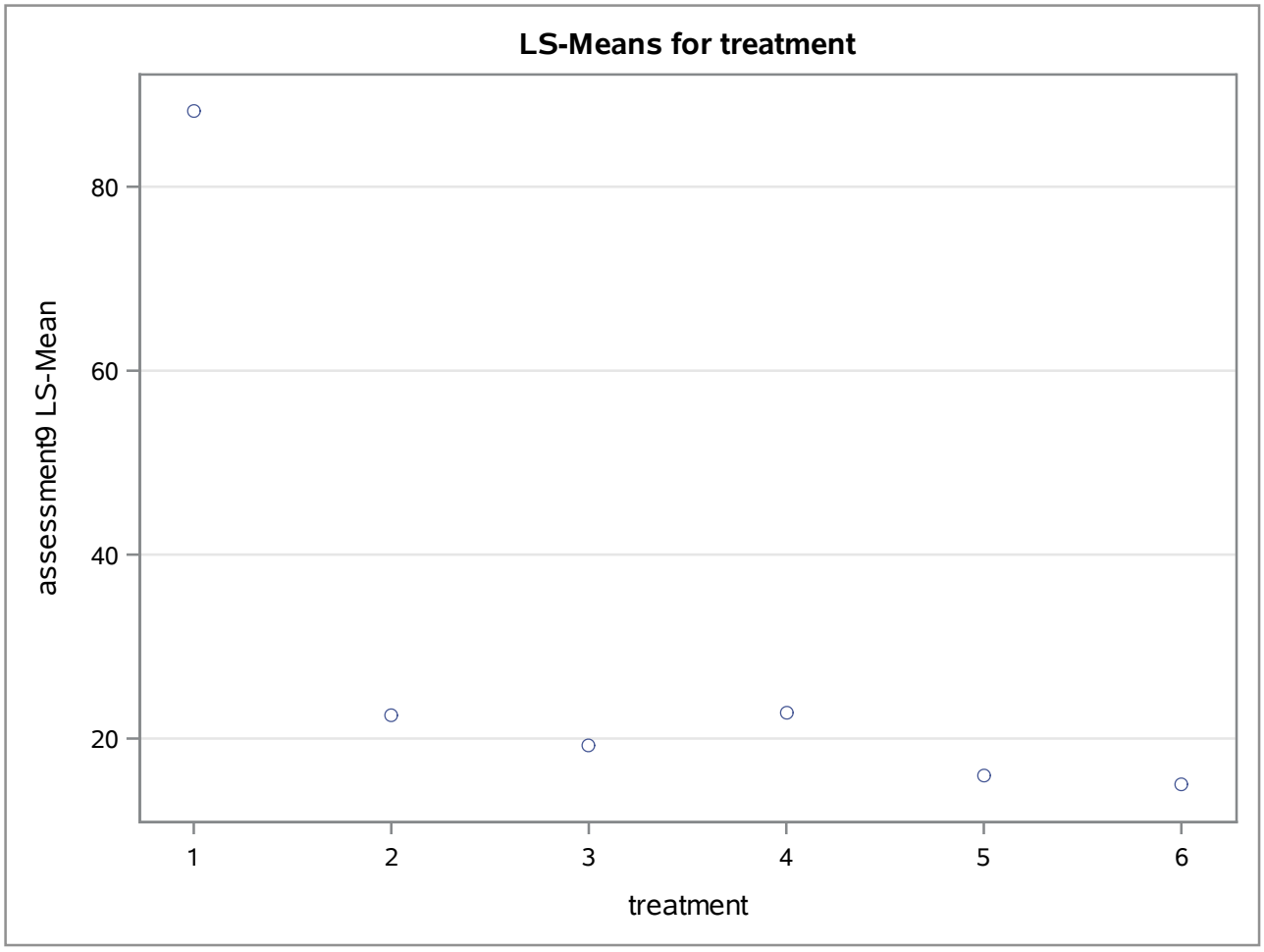
Least Squares Means for effect treatment
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: assessment9

i/j	1	2	3	4	5	6
1		<.0001	<.0001	<.0001	<.0001	<.0001
2	<.0001		0.1912	1.0000	0.0025	0.0007
3	<.0001	0.1912		0.1032	0.1455	0.0347
4	<.0001	1.0000	0.1032		0.0008	0.0002
5	<.0001	0.0025	0.1455	0.0008		0.9590
6	<.0001	0.0007	0.0347	0.0002	0.9590	

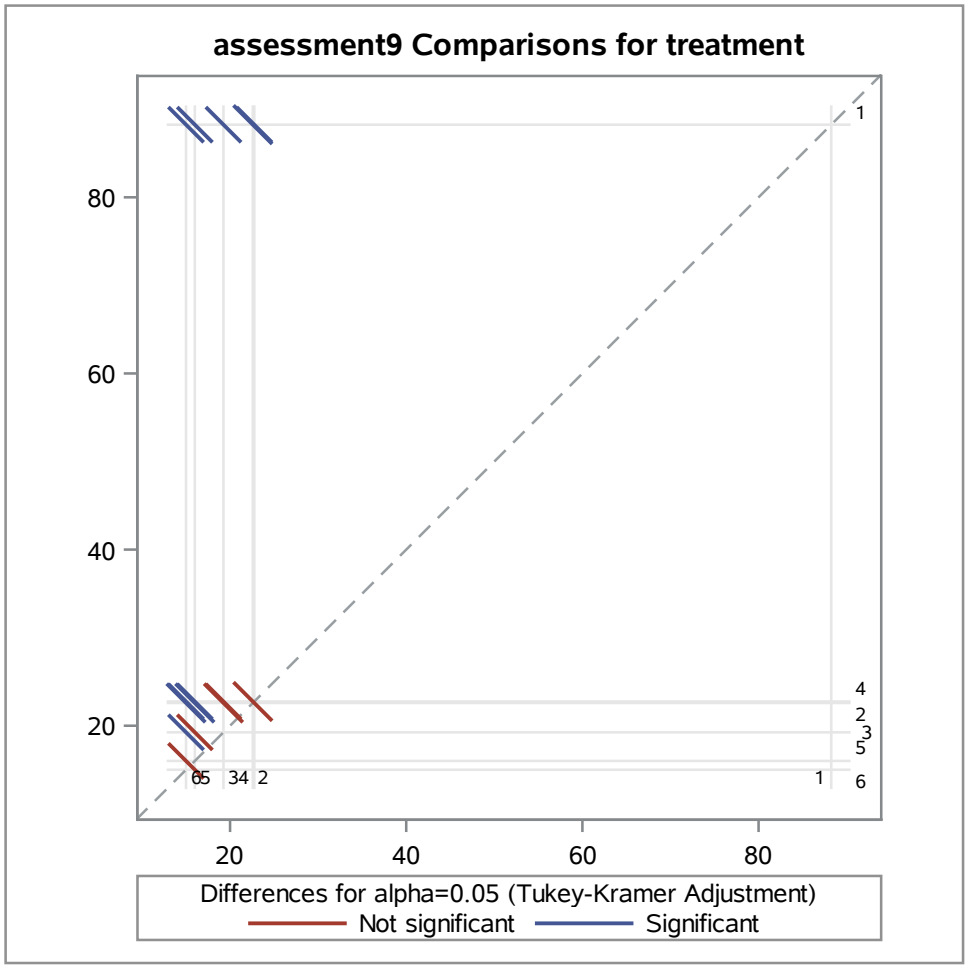
Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Tukey-Kramer Comparison Lines for Least Squares Means of treatment				
LS-means with the same letter are not significantly different.				
		assessment9 LSMEAN	treatment	LSMEAN Number
	A	88.25001	**1**	1
	B	22.75000	**4**	4
	B			
	B	22.58334	**2**	2
	B			
C	B	19.25000	**3**	3
C				
C	D	16.00000	**5**	5
	D			
	D	15.00000	**6**	6

Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer

treatment	assessment10 LSMEAN	Standard Error	Pr > |t|	LSMEAN Number
1	89.5000090	0.7488087	<.0001	1
2	24.1000023	0.8860024	<.0001	2
3	20.7500020	0.7488087	<.0001	3
4	22.7500020	0.7488087	<.0001	4
5	17.7500020	0.7488087	<.0001	5
6	15.7500018	0.7488087	<.0001	6

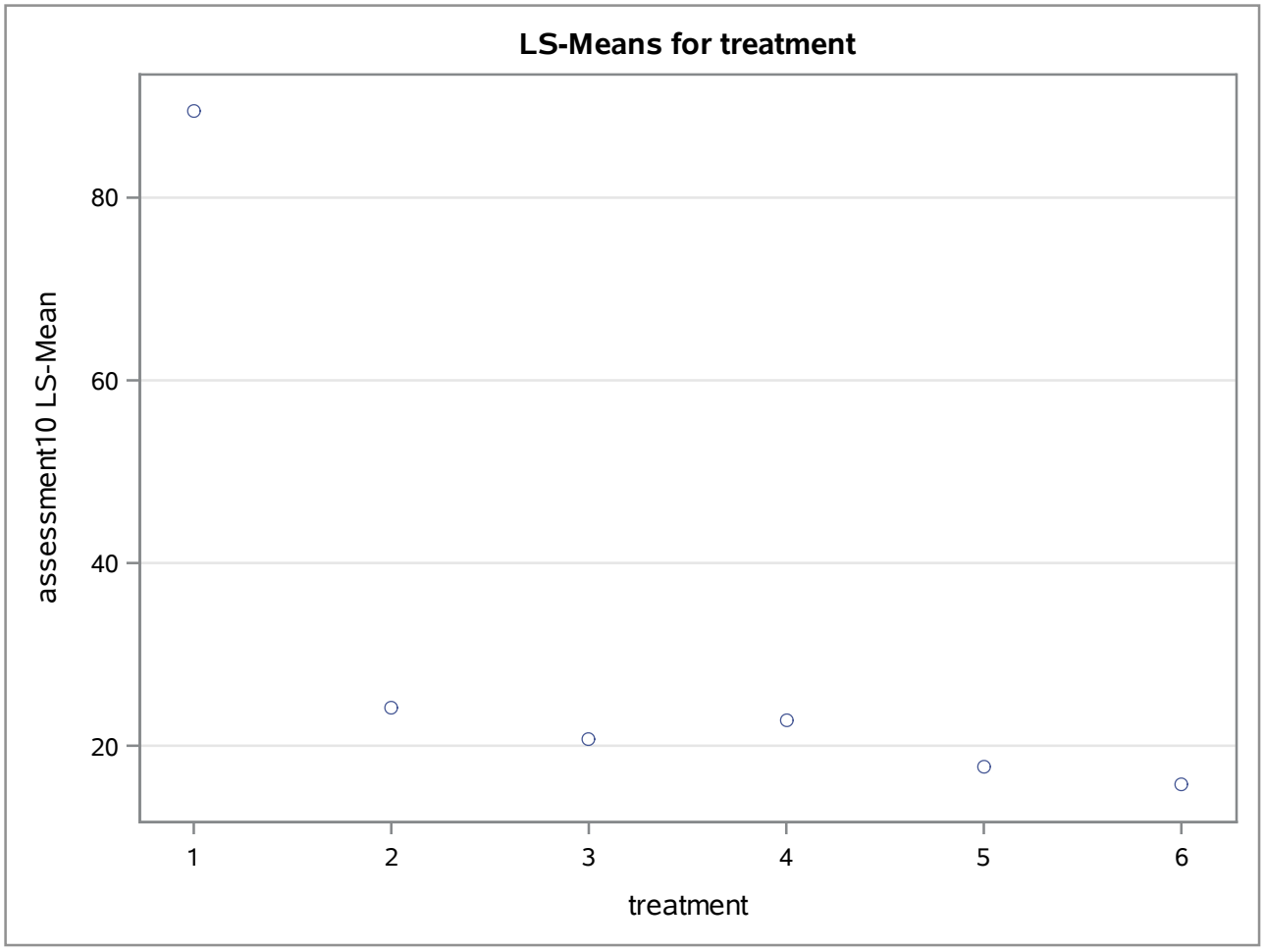
Least Squares Means for effect treatment
Pr > |t| for H0: LSMean(i)=LSMean(j)

Dependent Variable: assessment10

i/j	1	2	3	4	5	6
1		<.0001	<.0001	<.0001	<.0001	<.0001
2	<.0001		0.0997	0.8464	0.0009	<.0001
3	<.0001	0.0997		0.4470	0.1094	0.0036
4	<.0001	0.8464	0.4470		0.0036	0.0001
5	<.0001	0.0009	0.1094	0.0036		0.4470
6	<.0001	<.0001	0.0036	0.0001	0.4470	

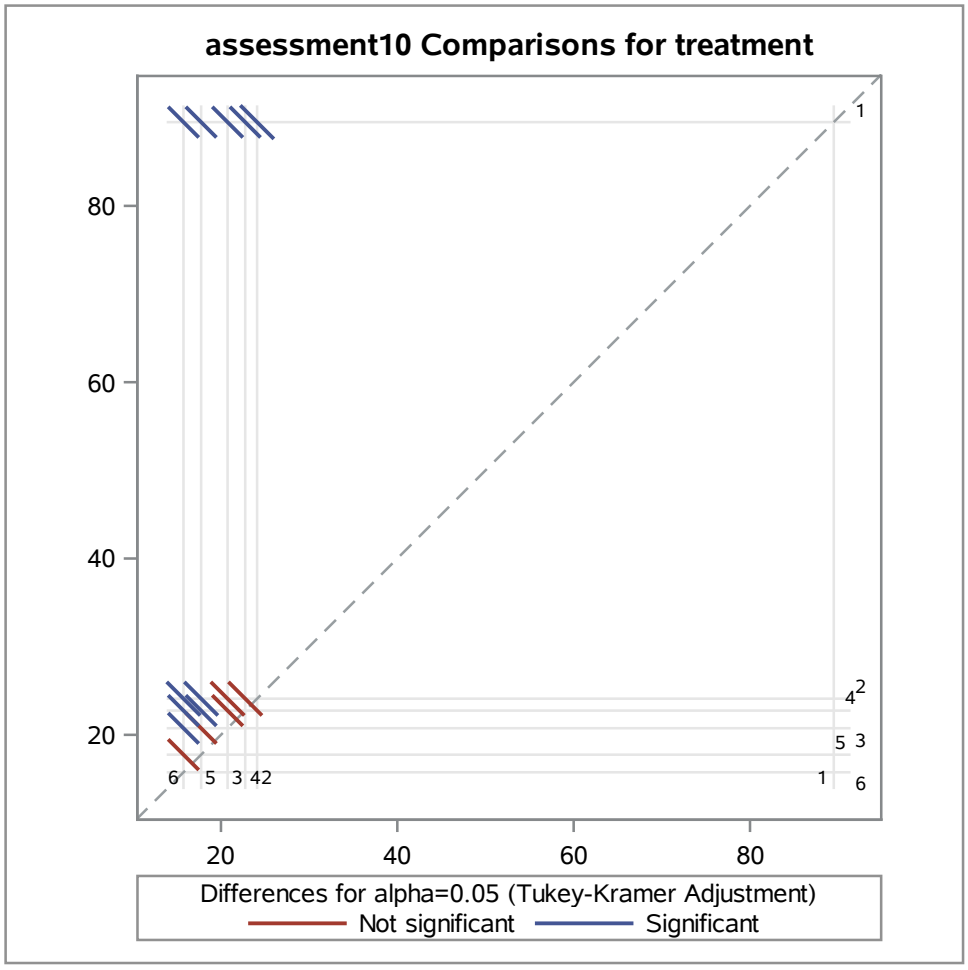
Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Split Plot - Multivariate Repeated

The GLM Procedure
Least Squares Means
Adjustment for Multiple Comparisons: Tukey-Kramer



Tukey-Kramer Comparison Lines for Least Squares Means of treatment				
LS-means with the same letter are not significantly different.				
		assessment10 LSMEAN	treatment	LSMEAN Number
	A	89.50001	**1**	1
	B	24.10000	**2**	2
	B			
	B	22.75000	**4**	4
	B			
C	B	20.75000	**3**	3
C				
C	D	17.75000	**5**	5
	D			
	D	15.75000	**6**	6