

## The GLM Procedure

Bonferroni (Dunn) t Tests for SI

NOTE: This test controls the Type I experimentwise error rate, but it generally has a higher Type II error rate than REGWQ.

Alpha	0.05
Error Degrees of Freedom	18
Error Mean Square	0.760117
Critical Value of t	3.87437
Minimum Significant Difference	2.758

Means with the same letter are not significantly different.

Bon Grouping	Mean	N	Treatment
A	17.5200	3	4
A			
B A	16.6467	3	8
B A			
B A	15.7600	3	9
B A			
B A C	15.1133	3	6
B C			
B D C	14.1667	3	7
D C			
E D C	12.4267	3	2
D C			
E D			
E D F	11.7200	3	3
D F			
E F	10.8533	3	1
F			
E F	10.1400	3	5
F			
E F	9.6200	3	0
F			

## The GLM Procedure

Least Squares Means

Adjustment for Multiple Comparisons: Bonferroni

Least Squares Means for Effect Treatment  
t for H0: LSMean(i)=LSMean(j) / Pr > |t|

Dependent Variable: SI

i/j	6	7	8	9	10
1	-0.73048	-7.71687	-6.38702	-9.87085	-8.62529
	1.0000	<.0001	0.0002	<.0001	<.0001
2	1.00207	-5.98432	-4.65447	-8.1383	-6.89274
	1.0000	0.0005	0.0089	<.0001	<.0001
3	3.212242	-3.77415	-2.4443	-5.92813	-4.68257
	0.2174	0.0625	1.0000	0.0006	0.0083
4	2.219537	-4.76685	-3.43701	-6.92084	-5.67527
	1.0000	0.0069	0.1323	<.0001	0.0010
5	10.36721	3.380814	4.710664	1.226833	2.472396
	<.0001	0.1498	0.0078	1.0000	1.0000
6		-6.98639	-5.65654	-9.14037	-7.89481
		<.0001	0.0010	<.0001	<.0001
7	6.986392		1.329849	-2.15398	-0.90842
	<.0001		1.0000	1.0000	1.0000
8	5.656543	-1.32985		-3.48383	-2.23827
	0.0010	1.0000		0.1193	1.0000
9	9.140374	2.153982	3.483831		1.245563
	<.0001	1.0000	0.1193		1.0000
10	7.894811	0.908418	2.238268	-1.24556	
	<.0001	1.0000	1.0000	1.0000	

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

Treatment	SI LSMEAN	LSMEAN Number
0	9.6200000	1
1	10.8533333	2
2	12.4266667	3
3	11.7200000	4
4	17.5200000	5
5	10.1400000	6
6	15.1133333	7
7	14.1666667	8
8	16.6466667	9
9	15.7600000	10

Least Squares Means for Effect Treatment  
t for H0: LSMean(i)=LSMean(j) / Pr > |t|

Dependent Variable: SI

i/j	1	2	3	4	5
1		-1.73255 1.0000	-3.94272 0.0429	-2.95002 0.3855	-11.0977 <.0001
2	1.73255 1.0000		-2.21017 1.0000	-1.21747 1.0000	-9.36514 <.0001
3	3.942723 0.0429	2.210172 1.0000		0.992705 1.0000	-7.15496 <.0001
4	2.950018 0.3855	1.217468 1.0000	-0.9927 1.0000		-8.14767 <.0001
5	11.09769 <.0001	9.365137 <.0001	7.154965 <.0001	8.147669 <.0001	
6	0.730481 1.0000	-1.00207 1.0000	-3.21224 0.2174	-2.21954 1.0000	-10.3672 <.0001
7	7.716873 <.0001	5.984323 0.0005	3.77415 0.0625	4.766855 0.0069	-3.38081 0.1498
8	6.387023 0.0002	4.654473 0.0089	2.444301 1.0000	3.437005 0.1323	-4.71066 0.0078
9	9.870854 <.0001	8.138304 <.0001	5.928132 0.0006	6.920836 <.0001	-1.22683 1.0000
10	8.625291 <.0001	6.892741 <.0001	4.682569 0.0083	5.675273 0.0010	-2.4724 1.0000