The GLM Procedure

Scheffe's Test for SI

NOTE: This test controls the Type I experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	18
Error Mean Square	0.760117
Critical Value of F	2.45628
Minimum Significant Difference	3.347

Means with the same letter are not significantly different.

Scheffe Grouping			Mean	N	Treatment
	A		17.5200	3	4
	A				
B	A		16.6467	3	8
B	A				
B	A	C	15.7600	3	9
B	A	C			
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
E	D				
E	D		11.7200	3	3
E	D				
E	D		10.8533	3	1
E					
E			10.1400	3	5
E					
E			9.6200	3	0

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

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
	0.9999	0.0004	0.0031	<.0001	<.0001
2	1.00207	-5.98432	-4.65447	-8.1383	-6.89274
	0.9990	0.0061	0.0538	0.0002	0.0013
3	3.212242	-3.77415	-2.4443	-5.92813	-4.68257
	0.3826	0.1944	0.7303	0.0067	0.0515
4	2.219537	-4.76685	-3.43701	-6.92084	-5.67527
	0.8212	0.0451	0.2969	0.0013	0.0102
5	10.36721	3.380814	4.710664	1.226833	2.472396
	<.0001	0.3171	0.0493	0.9952	0.7180
6		-6.98639	-5.65654	-9.14037	-7.89481
		0.0012	0.0106	<.0001	0.0003
7	6.986392		1.329849	-2.15398	-0.90842
	0.0012		0.9915	0.8446	0.9995
8	5.656543	-1.32985		-3.48383	-2.23827
	0.0106	0.9915		0.2808	0.8143
9	9.140374	2.153982	3.483831		1.245563
	<.0001	0.8446	0.2808		0.9947
10	7.894811	0.908418	2.238268	-1.24556	
	0.0003	0.9995	0.8143	0.9947	

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

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	-3.94272	-2.95002	-11.0977
		0.9519	0.1547	0.4969	<.0001
2	1.73255		-2.21017	-1.21747	-9.36514
	0.9519		0.8247	0.9955	<.0001
3	3.942723	2.210172		0.992705	-7.15496
	0.1547	0.8247		0.9991	0.0009
4	2.950018	1.217468	-0.9927		-8.14767
	0.4969	0.9955	0.9991		0.0002
5	11.09769	9.365137	7.154965	8.147669	
	<.0001	<.0001	0.0009	0.0002	
6	0.730481	-1.00207	-3.21224	-2.21954	-10.3672
	0.9999	0.9990	0.3826	0.8212	<.0001
7	7.716873	5.984323	3.77415	4.766855	-3.38081
	0.0004	0.0061	0.1944	0.0451	0.3171
8	6.387023	4.654473	2.444301	3.437005	-4.71066
	0.0031	0.0538	0.7303	0.2969	0.0493
9	9.870854	8.138304	5.928132	6.920836	-1.22683
	<.0001	0.0002	0.0067	0.0013	0.9952
10	8.625291	6.892741	4.682569	5.675273	-2.4724
	<.0001	0.0013	0.0515	0.0102	0.7180