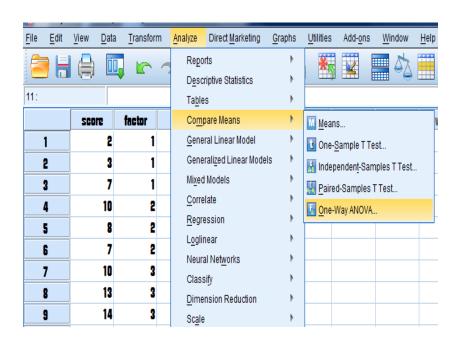
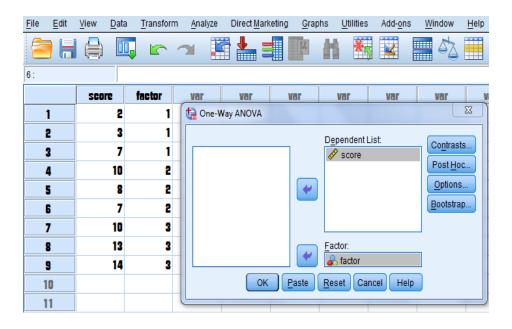
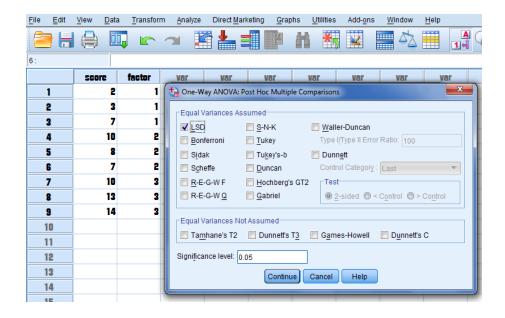
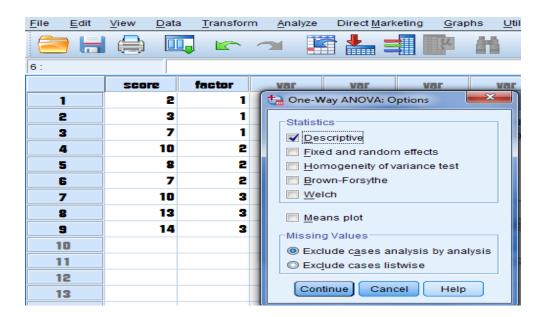
**<u>F test</u>**: Test between the means of more than two groups

For One-Way ANOVA test click analyze then Compare Means. After that click on One-Way ANOVA as shown below.









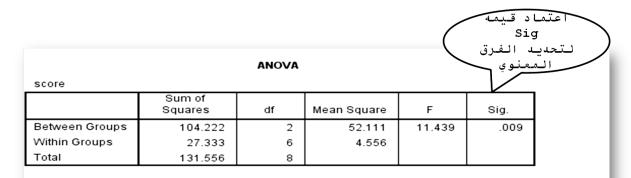
# **SPSS Output Window**

After running descriptive statistics and One-Way ANOVA, the results appear in a different window, known as SPSS output viewer window as shown below.

### Descriptives

score

					95% Confiden Me			
	N	Mean	Std. Deviation	Std. Error	Lower Bound	Upper Bound	Minimum	Maximum
1	3	4.00	2.646	1.528	-2.57-	10.57	2	7
2	3	8.33	1.528	.882	4.54	12.13	7	10
3	3	12.33	2.082	1.202	7.16	17.50	10	14
Total	9	8.22	4.055	1.352	5.11	11.34	2	14



### **Post Hoc Tests**

#### **Multiple Comparisons**

Dependent Variable: score

LSD

		Mean Difference (I-			95% Confidence Interval		
(I) sample	(J) sample	J)	Std. Error	Sig.	Lower Bound	Upper Bound	
1	2	-4.333-*	1.743	.047	-8.60-	07-	
	3	-8.333-*	1.743	.003	-12.60-	-4.07-	
2	1	4.333*	1.743	.047	.07	8.60	
	3	-4.000-	1.743	.061	-8.26-	.26	
3	1	8.333*	1.743	.003	4.07	12.60	
	2	4.000	1.743	.061	26-	8.26	

 $<sup>\</sup>mbox{\ensuremath{^{\star}}}.$  The mean difference is significant at the 0.05 level.

## Note:

\*If sig value > 0.05 there is **no** significant difference

\*If sig value < 0.05 there is a significant difference