```
   DATASET ACTIVATE DataSet2.

SAVE OUTFILE='C:\Sruti\Coursework\Research zmethod-I\HW\Assignment5_Part3.sav
'
   /COMPRESSED.
UNIANOVA Memory_scores BY School_region Gender
   /METHOD=SSTYPE(3)
   /INTERCEPT=INCLUDE
   /PRINT=DESCRIPTIVE
   /CRITERIA=ALPHA(.05)
   /DESIGN=School_region Gender School_region*Gender.
```

Univariate Analysis of Variance

[DataSet2] C:\Sruti\Coursework\Research zmethod-I\HW\Assignment5_Part3.sav

Between-Subjects Factors

		Value Label	N
School_region	1.00	East Coast	12
	2.00	Midwest	12
	3.00	West Coast	12
Gender	1.00	Male	18
	2.00	Female	18

Descriptive Statistics

Dependent Variable: Memory_scores

School_region	Gender	Mean	Std. Deviation	N
East Coast	Male	6.0000	2.00000	6
	Female	11.0000	2.09762	6
	Total	8.5000	3.26134	12
Midwest	Male	10.1667	1.47196	6
	Female	11.8333	.98319	6
	Total	11.0000	1.47710	12
West Coast	Male	6.8333	1.47196	6
	Female	6.6667	1.03280	6
	Total	6.7500	1.21543	12
Total	Male	7.6667	2.42536	18
	Female	9.8333	2.70620	18
	Total	8.7500	2.76069	36

Tests of Between-Subjects Effects

Dependent Variable: Memory_scores

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	192.917[a]	5	38.583	15.677	.000
Intercept	2756.250	1	2756.250	1119.921	.000
School_region	109.500	2	54.750	22.246	.000
Gender	42.250	1	42.250	17.167	.000
School_region * Gender	41.167	2	20.583	8.363	.001
Error	73.833	30	2.461		
Total	3023.000	36			
Corrected Total	266.750	35			

a. R Squared = .723 (Adjusted R Squared = .677)