

UNIANOVA

```
HealthATT BY Gender AgeGroup
/METHOD = SSTYPE(3)
/INTERCEPT = INCLUDE
/PRINT = DESCRIPTIVE HOMOGENEITY
/CRITERIA = ALPHA(.05)
/DESIGN = Gender AgeGroup Gender*AgeGroup .
```

Univariate Analysis of Variance

Notes

Output Created	14-OCT-2008 12:04:12	
Comments		
Input	Data	C:\Users\william marelich\Desktop\CGU-prep\2X2ANO~1.SAV
	Active Dataset	DataSet14
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	12
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Weight Handling		
Syntax	UNIANOVA HealthATT BY Gender AgeGroup /METHOD = SSTYPE(3) /INTERCEPT = INCLUDE /PRINT = DESCRIPTIVE HOMOGENEITY /CRITERIA = ALPHA(.05) /DESIGN = Gender AgeGroup Gender*AgeGroup .	
Resources	Elapsed Time	0:00:00.01
	Processor Time	0:00:00.03

[DataSet14] C:\Users\william marelich\Desktop\CGU-prep\2X2ANO~1.SAV

Between-Subjects Factors

	Value Label	N
Gender	1.00 male	6
	2.00 female	6
AgeGroup	1.00 <27	6
Grouping	2.00 27+	6

Descriptive Statistics

Dependent Variable: HealthATT Health Attitudes

Gender	AgeGroup	Mean	Std. Deviation	N
1.00 male	1.00 <27	2.0000	1.00000	3
	2.00 27+	1.6667	.57735	3
	Total	1.8333	.75277	6
2.00 female	1.00 <27	6.3333	.57735	3
	2.00 27+	2.3333	1.15470	3
	Total	4.3333	2.33809	6
Total	1.00 <27	4.1667	2.48328	6
	2.00 27+	2.0000	.89443	6
	Total	3.0833	2.10878	12

Levene's Test of Equality of Error Variances^a

Dependent Variable: HealthATT Health Attitudes

F	df1	df2	Sig.
.978	3	8	.450

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept+Gender+AgeGroup+Gender * AgeGroup

Tests of Between-Subjects Effects

Dependent Variable: HealthATT Health Attitudes

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	42.917 ^a	3	14.306	19.074	.001
Intercept	114.083	1	114.083	152.111	.000
Gender	18.750	1	18.750	25.000	.001
AgeGroup	14.083	1	14.083	18.778	.003
Gender * AgeGroup	10.083	1	10.083	13.444	.006
Error	6.000	8	.750		
Total	163.000	12			
Corrected Total	48.917	11			

a. R Squared = .877 (Adjusted R Squared = .831)

```
DATASET ACTIVATE DataSet14.  
SAVE OUTFILE='C:\Users\william marelich\Desktop\CGU-prep\2X2ANO~1.SAV'  
/COMPRESSED.  
DATASET ACTIVATE DataSet13.  
DATASET CLOSE DataSet14.  
SAVE OUTFILE='C:\Users\william marelich\Desktop\CGU-prep\HAYS-2X3.sav'  
/COMPRESSED.  
UNIANOVA  
Aspir_DV BY Norms Standing  
/METHOD = SSTYPE(3)  
/INTERCEPT = INCLUDE  
/POSTHOC = Standing ( TUKEY )  
/PRINT = DESCRIPTIVE HOMOGENEITY  
/CRITERIA = ALPHA(.05)  
/DESIGN = Norms Standing Norms*Standing .
```

Univariate Analysis of Variance

Notes

Output Created	14-OCT-2008 12:07:29	
Comments		
Input	Data	C:\Users\william marelich\Desktop\CGU-prep\HAYS-2X3.sav
	Active Dataset	DataSet13
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	60
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Weight Handling		
Syntax	<pre> UNIANOVA Aspir_DV BY Norms Standing /METHOD = SSTYPE(3) /INTERCEPT = INCLUDE /POSTHOC = Standing (TUKEY) /PRINT = DESCRIPTIVE HOMOGENEITY /CRITERIA = ALPHA(.05) /DESIGN = Norms Standing Norms*Standing . </pre>	
Resources	Elapsed Time	0:00:00.02
	Processor Time	0:00:00.02

[DataSet13] C:\Users\william marelich\Desktop\CGU-prep\HAYS-2X3.sav

Between-Subjects Factors

	Value Label	N
Norms Normative Comparison	1.00 college students	30
	2.00 prof_ath	30
Standing Standing or Ranking given Ss	1.00 above	20
	2.00 average	20
	3.00 below	20

Descriptive Statistics

Dependent Variable: Aspir_DV Level of Aspiration

Norms Normative Comparison	Standing Standing or	Mean	Std. Deviation	N
1.00 college students	1.00 above	46.4000	3.23866	10
	2.00 average	30.2000	3.48967	10
	3.00 below	17.8000	3.52136	10
	Total	31.4667	12.35881	30
2.00 prof_ath	1.00 above	36.8000	3.48967	10
	2.00 average	37.8000	3.48967	10
	3.00 below	21.4000	3.47051	10
	Total	32.0000	8.34183	30
Total	1.00 above	41.6000	5.91519	20
	2.00 average	34.0000	5.17077	20
	3.00 below	19.6000	3.87162	20
	Total	31.7333	10.45712	60

Levene's Test of Equality of Error Variances^a

Dependent Variable: Aspir_DV Level of Aspiration

F	df1	df2	Sig.
.136	5	54	.983

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept+Norms+Standing+Norms * Standing

Tests of Between-Subjects Effects

Dependent Variable: Aspir_DV Level of Aspiration

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	5808.533 ^a	5	1161.707	97.531	.000
Intercept	60420.267	1	60420.267	5072.597	.000
Norms	4.267	1	4.267	.358	.552
Standing	4994.133	2	2497.067	209.642	.000
Norms * Standing	810.133	2	405.067	34.007	.000
Error	643.200	54	11.911		
Total	66872.000	60			
Corrected Total	6451.733	59			

a. R Squared = .900 (Adjusted R Squared = .891)

Post Hoc Tests

Standing or Ranking given Ss

Multiple Comparisons

Dependent Variable: Aspir_DV Level of Aspiration

Tukey HSD

(I) Standing or Ranking given Ss	(J) Standing or Ranking given Ss	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1.00 above	1.00 above					
	2.00 average	7.6000*	1.09138	.000	4.9698	10.2302
	3.00 below	22.0000*	1.09138	.000	19.3698	24.6302
2.00 average	1.00 above	-7.6000*	1.09138	.000	-10.2302	-4.9698
	2.00 average					
	3.00 below	14.4000*	1.09138	.000	11.7698	17.0302
3.00 below	1.00 above	-22.0000*	1.09138	.000	-24.6302	-19.3698
	2.00 average	-14.4000*	1.09138	.000	-17.0302	-11.7698
	3.00 below					

Based on observed means.

*. The mean difference is significant at the .05 level.