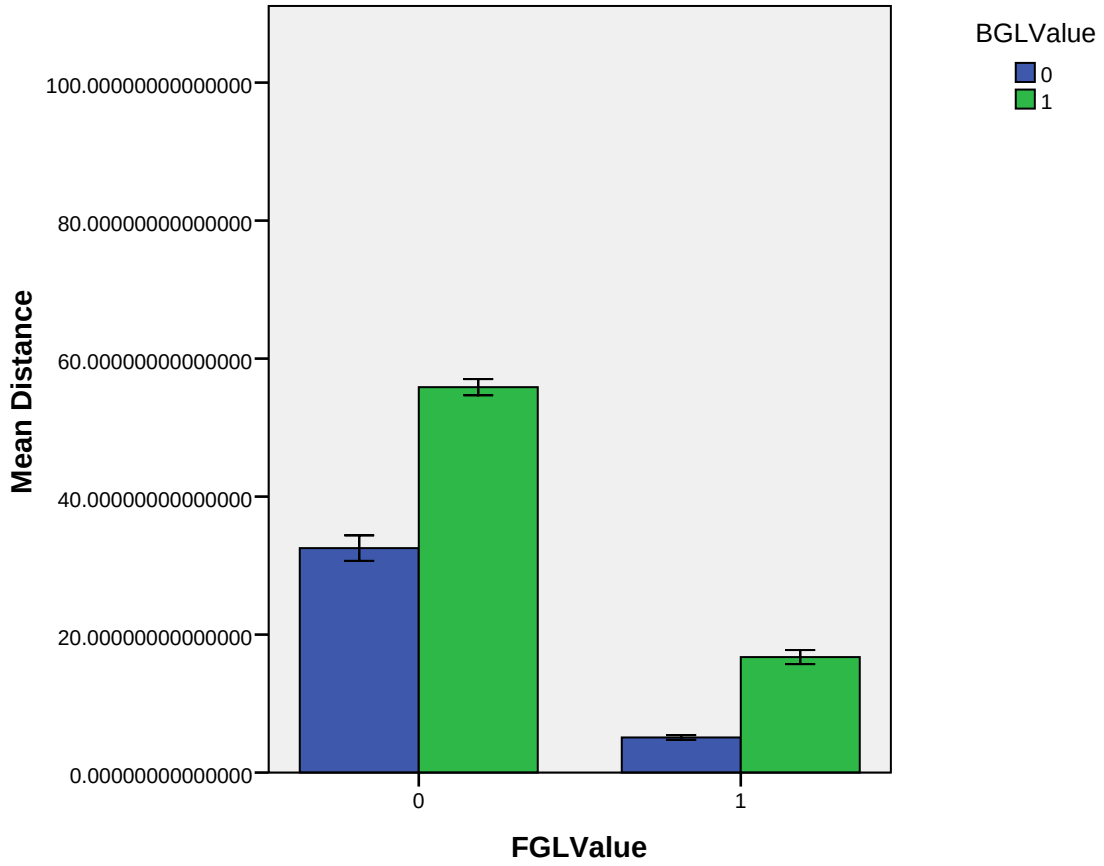
```
USE ALL.
COMPUTE filter_$=(Type = "BP" & Method ="TD" & NuetralValue = 0).
VARIABLE LABEL filter_$ 'Type = "BP" & Method ="TD" & NuetralValue = 0 (FILTE
R)'.
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.
FORMAT filter_$ (f1.0).
FILTER BY filter_$.
EXECUTE.
* Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=FGLValue MEANSE(Distance, 1)[na
me="MEAN_Distance" LOW="MEAN_Distance_LOW" HIGH="MEAN_Distance_HIGH"] BGLValu
e MISSING=LISTWISE REPORTMISSING=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: FGLValue=col(source(s), name("FGLValue"), unit.category())
  DATA: MEAN_Distance=col(source(s), name("MEAN_Distance"))
  DATA: BGLValue=col(source(s), name("BGLValue"), unit.category())
  DATA: LOW=col(source(s), name("MEAN_Distance_LOW"))
  DATA: HIGH=col(source(s), name("MEAN_Distance_HIGH"))
  COORD: rect(dim(1,2), cluster(3,0))
  GUIDE: axis(dim(3), label("FGLValue"))
  GUIDE: axis(dim(2), label("Mean Distance"))
  GUIDE: legend(aesthetic(aesthetic.color.interior), label("BGLValue"))
  GUIDE: text.footnote(label("Error Bars: +/- 1 SE"))
  SCALE: linear(dim(2), include(0), max(100))
  ELEMENT: interval(position(BGLValue*MEAN_Distance*FGLValue), color.interior
(BGLValue), shape.interior(shape.square))
  ELEMENT: interval(position(region.spread.range(BGLValue*(LOW+HIGH)*FGLValue
)), shape.interior(shape.ibeam))
END GPL.
```

GGraph

Notes

Output Created		20-May-2013 11:41:20
Comments		
Input	Data	C:\Users\common\Desktop\Color Correction\p3700-correction.sav
	Active Dataset	DataSet1
	Filter	Type = "BP" & Method ="TD" & NuetralValue = 0 (FILTER)
	Weight	<none>
	Split File	NuetralValue
	N of Rows in Working Data File	696
Syntax		GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=FGLValue MEANSE(Distance, 1)[name="MEAN_Distance" LOW="MEAN_Distance_LOW" HIGH="MEAN_Distance_HIGH"] BGLValue MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource(id("graphdataset")) DATA: FGLValue=col(source(s), name("FGLValue"), unit.category()) DATA: MEAN_Distance=col(source(s), name("MEAN_Distance")) DATA: BGLValue=col(source(s), name("BGLValue"), unit.category()) DATA: LOW=col(source(s), name("MEAN_Distance_LOW")) DATA: HIGH=col(source(s), name("MEAN_Distance_HIGH")) COORD: rect(dim(1,2), cluster(3,0)) GUIDE: axis(dim(3), label("FGLValue")) GUIDE: axis(dim(2), label("Mean Distance")) GUIDE: legend(aesthetic(aesthetic.color.interior), label("BGLValue")) GUIDE: text.footnote(label("Error Bars: +/- 1 SE")) SCALE: linear(dim(2), include(0), max(100)) ELEMENT: interval(position(BGLValue*MEAN_Distance*FGLValue), color.interior(BGLValue), shape.interior(shape.square)) ELEMENT: interval(position(region.spread.range(BGLValue*(LOW+HIGH)*FGLValue)), shape.interior(shape.ibeam)) END GPL.
Resources	Processor Time	0:00:00.156
	Elapsed Time	0:00:00.214

[DataSet1] C:\Users\common\Desktop\Color Correction\p3700-correction.sav



Error Bars: +/- 1 SE

```
UNIANOVA Distance BY BGLValue FGLValue
  /METHOD=SSTYPE(3)
  /INTERCEPT=INCLUDE
  /EMMEANS=TABLES(BGLValue) COMPARE ADJ(BONFERRONI)
  /EMMEANS=TABLES(FGLValue) COMPARE ADJ(BONFERRONI)
  /PRINT=DESCRIPTIVE
  /CRITERIA=ALPHA(.05)
  /DESIGN=BGLValue FGLValue BGLValue*FGLValue.
```

Univariate Analysis of Variance

Notes

Output Created		20-May-2013 11:42:10
Comments		
Input	Data	C:\Users\common\Desktop\Color Correction\p3700-correction.sav
	Active Dataset	DataSet1
	Filter	Type = "BP" & Method ="TD" & NuetralValue = 0 (FILTER)
	Weight	<none>
	Split File	NuetralValue
	N of Rows in Working Data File	696
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.
Syntax		UNIANOVA Distance BY BGLValue FGLValue /METHOD=SSTYPE(3) /INTERCEPT=INCLUDE /EMMEANS=TABLES(BGLValue) COMPARE ADJ(BONFERRONI) /EMMEANS=TABLES(FGLValue) COMPARE ADJ(BONFERRONI) /PRINT=DESCRIPTIVE /CRITERIA=ALPHA(.05) /DESIGN=BGLValue FGLValue BGLValue*FGLValue.
Resources	Processor Time	0:00:00.016
	Elapsed Time	0:00:00.018

[DataSet1] C:\Users\common\Desktop\Color Correction\p3700-correction.sav

Between-Subjects Factors

NuetralValue			N
0	BGLValue	0	240
		1	456
	FGLValue	0	343
		1	353

Descriptive Statistics

Dependent Variable:Distance

NuetralValue	BGLValue	FGLValue	Mean	Std. Deviation	N
0	0	0	3.2532E1	1.92637419E1	108
		1	5.0921E0	3.90087529E0	132
		Total	1.7440E1	1.90163242E1	240
	1	0	5.5861E1	1.79461059E1	235
		1	1.6741E1	1.51514156E1	221
		Total	3.6902E1	2.56849102E1	456
	Total	0	4.8516E1	2.13122443E1	343
		1	1.2385E1	1.34536272E1	353
		Total	3.0191E1	2.53366741E1	696

Tests of Between-Subjects Effects

Dependent Variable:Distance

NuetralValue	Source	Type III Sum of Squares	df	Mean Square
0	Corrected Model	278585.917 [a]	3	92861.972
	Intercept	474333.889	1	474333.889
	BGLValue	47763.198	1	47763.198
	FGLValue	172958.622	1	172958.622
	BGLValue * FGLValue	5325.867	1	5325.867
	Error	167567.286	692	242.149
	Total	1080559.264	696	
	Corrected Total	446153.203	695	

a. R Squared = .624 (Adjusted R Squared = .623)

Tests of Between-Subjects Effects

Dependent Variable:Distance

NuetralValue	Source	F	Sig.
0	Corrected Model	383.491	.000
	Intercept	1958.849	.000
	BGLValue	197.247	.000
	FGLValue	714.265	.000
	BGLValue * FGLValue	21.994	.000

Estimated Marginal Means

1. BGLValue

Estimates

Dependent Variable:Distance

NuetralValue	BGLValue	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
0	0	18.812	1.010	16.830	20.795
	1	36.301	.729	34.870	37.733

Pairwise Comparisons

Dependent Variable:Distance

NuetralValue	(I) BGLValue	(J) BGLValue	Mean Difference (I-J)	Std. Error	Sig.[a]
0	0	1	-17.489*	1.245	.000
	1	0	17.489*	1.245	.000

Based on estimated marginal means

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

a. Adjustment for multiple comparisons: Bonferroni.

Pairwise Comparisons

Dependent Variable:Distance

NuetralValue	(I) BGLValue	(J) BGLValue	95% Confidence Interval for Difference[a]	
			Lower Bound	Upper Bound
0	0	1	-19.934	-15.044
	1	0	15.044	19.934

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable:Distance

NuetralValue		Sum of Squares	df	Mean Square	F	Sig.
0	Contrast	47763.198	1	47763.198	197.247	.000
	Error	167567.286	692	242.149		

The F tests the effect of BGLValue. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

2. FGLValue

Estimates

Dependent Variable:Distance

NuetralValue	FGLValue	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
0	0	44.197	.905	42.421	45.973
	1	10.917	.856	9.236	12.597

Pairwise Comparisons

Dependent Variable:Distance

NuetralValue	(I) FGLValue	(J) FGLValue	Mean Difference (I-J)	Std. Error	Sig.[a]
0	0	1	33.281*	1.245	.000
	1	0	-33.281*	1.245	.000

Based on estimated marginal means

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

a. Adjustment for multiple comparisons: Bonferroni.

Pairwise Comparisons

Dependent Variable:Distance

NuetralValue	(I) FGLValue	(J) FGLValue	95% Confidence Interval for Difference[a]	
			Lower Bound	Upper Bound
0	0	1	30.836	35.725
	1	0	-35.725	-30.836

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable:Distance

NuetralValue		Sum of Squares	df	Mean Square	F	Sig.
0	Contrast	172958.622	1	172958.622	714.265	.000
	Error	167567.286	692	242.149		

The F tests the effect of FGLValue. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.