```
 DATASET ACTIVATE DataSet1.

SAVE OUTFILE='/Users/coglab/Experiments/Michelle/Untitled2.sav'
  /COMPRESSED.
GLM Rep0Ave Rep1Ave Rep5Ave
  /WSFACTOR=Repetition 3 Simple(1)
  /MEASURE=Liking
  /METHOD=SSTYPE(3)
  /PLOT=PROFILE(Repetition)
  /EMMEANS=TABLES(Repetition) COMPARE ADJ(BONFERRONI)
  /PRINT=ETASQ
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=Repetition.
```

General Linear Model

Notes

Output Created		**29-OCT-2013 12:55:53**
Comments		
Input	**Data**	**/Users/coglab/Experiments/Michelle/Untitled2.sav**
	Active Dataset	**DataSet1**
	Filter	**<none>**
	Weight	**<none>**
	Split File	**<none>**
	N of Rows in Working Data File	**40**
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		**GLM Rep0Ave Rep1Ave Rep5Ave /WSFACTOR=Repetition 3 Simple(1) /MEASURE=Liking /METHOD=SSTYPE(3) /PLOT=PROFILE (Repetition) /EMMEANS=TABLES (Repetition) COMPARE ADJ(BONFERRONI) /PRINT=ETASQ /CRITERIA=ALPHA(.05) /WSDESIGN=Repetition.**
Resources	**Processor Time**	**00:00:00.80**
	Elapsed Time	**00:00:01.00**

[DataSet1] /Users/coglab/Experiments/Michelle/Untitled2.sav

Within-Subjects Factors

Measure: Liking

Repetition	Dependent Variable
1	Rep0Ave
2	Rep1Ave
3	Rep5Ave

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Repetition	Pillai's Trace	.034	.670[b]	2.000	38.000	.518	.034
	Wilks' Lambda	.966	.670[b]	2.000	38.000	.518	.034
	Hotelling's Trace	.035	.670[b]	2.000	38.000	.518	.034
	Roy's Largest Root	.035	.670[b]	2.000	38.000	.518	.034

a. Design: Intercept
Within Subjects Design: Repetition

b. Exact statistic

Mauchly's Test of Sphericity[a]

Measure: Liking

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon[b]		
					Greenhouse-Geisser	Huynh-Feldt	Lower-bound
Repetition	.993	.285	2	.867	.993	1.000	.500

Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix.

a. Design: Intercept
Within Subjects Design: Repetition

b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table.

Tests of Within-Subjects Effects

Measure: Liking

Source		Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Repetition	Sphericity Assumed	168.472	2	84.236	.744	.479	.019
	Greenhouse-Geisser	168.472	1.985	84.865	.744	.478	.019
	Huynh-Feldt	168.472	2.000	84.236	.744	.479	.019
	Lower-bound	168.472	1.000	168.472	.744	.394	.019
Error(Repetition)	Sphericity Assumed	8830.222	78	113.208			
	Greenhouse-Geisser	8830.222	77.422	114.053			
	Huynh-Feldt	8830.222	78.000	113.208			
	Lower-bound	8830.222	39.000	226.416			

Tests of Within-Subjects Contrasts

Measure: Liking

Source	Repetition	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Repetition	Level 2 vs. Level 1	26.935	1	26.935	.126	.724	.003
	Level 3 vs. Level 1	318.378	1	318.378	1.296	.262	.032
Error(Repetition)	Level 2 vs. Level 1	8331.258	39	213.622			
	Level 3 vs. Level 1	9579.462	39	245.627			

Tests of Between-Subjects Effects

Measure: Liking

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	114772.869	1	114772.869	386.275	.000	.908
Error	11587.968	39	297.127			

Estimated Marginal Means

Repetition

Estimates

Measure: Liking

Repetition	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	52.352	3.256	45.767	58.937
2	53.173	2.952	47.201	59.144
3	55.173	2.938	49.231	61.115

Pairwise Comparisons

Measure: Liking

(I) Repetition	(J) Repetition	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
					Lower Bound	Upper Bound
1	2	-.821	2.311	1.000	-6.602	4.961
	3	-2.821	2.478	.786	-9.020	3.378
2	1	.821	2.311	1.000	-4.961	6.602
	3	-2.001	2.345	1.000	-7.868	3.866
3	1	2.821	2.478	.786	-3.378	9.020
	2	2.001	2.345	1.000	-3.866	7.868

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

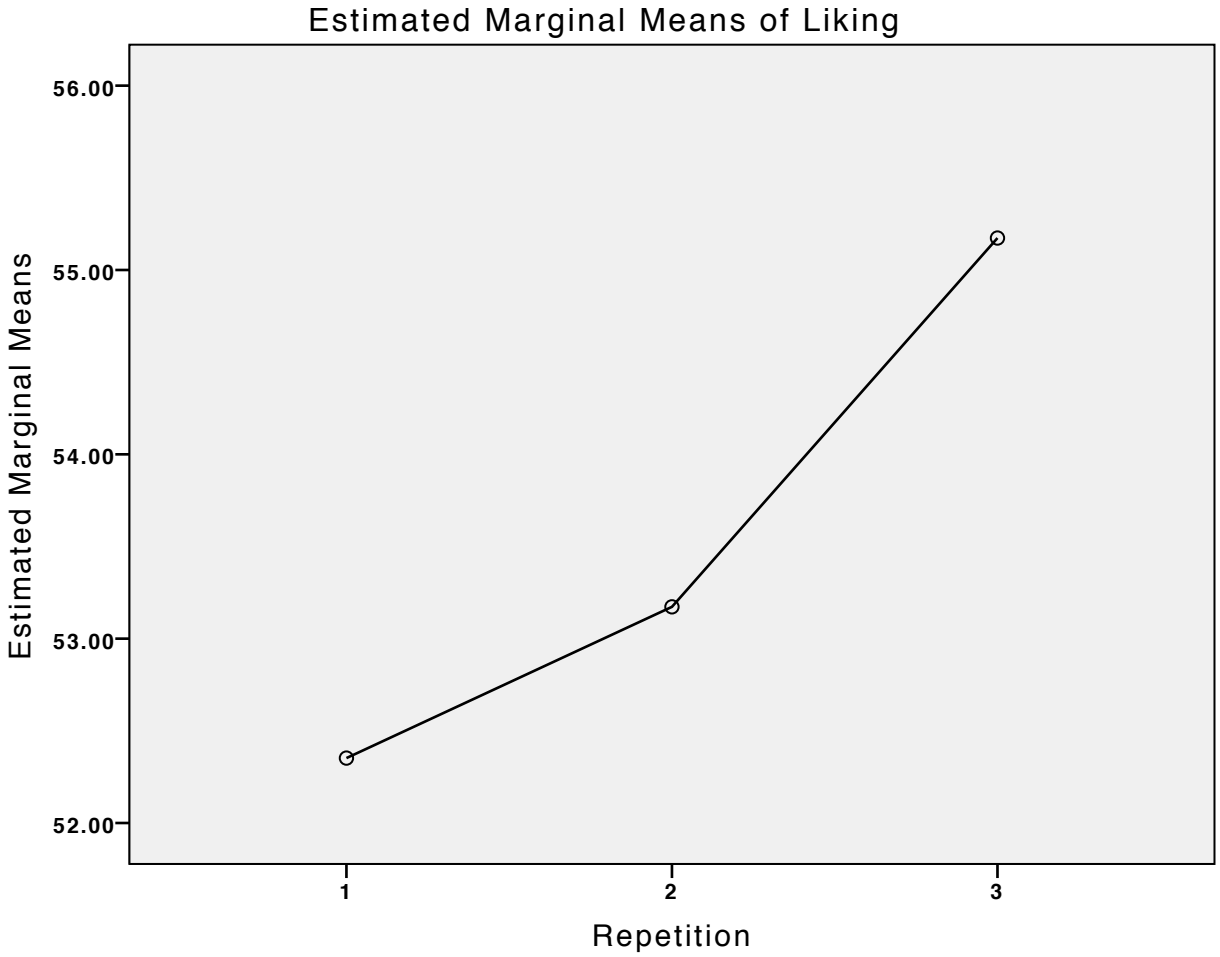
Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.034	.670[a]	2.000	38.000	.518	.034
Wilks' lambda	.966	.670[a]	2.000	38.000	.518	.034
Hotelling's trace	.035	.670[a]	2.000	38.000	.518	.034
Roy's largest root	.035	.670[a]	2.000	38.000	.518	.034

Each F tests the multivariate effect of Repetition. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

Profile Plots




```
GLM ZRep0Ave ZRep1Ave ZRep5Ave
  /WSFACTOR=Repetition 3 Simple(1)
  /MEASURE=Liking
  /METHOD=SSTYPE(3)
  /PLOT=PROFILE(Repetition)
  /EMMEANS=TABLES(Repetition) COMPARE ADJ(BONFERRONI)
  /PRINT=ETASQ
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=Repetition.
```

General Linear Model

Notes

Output Created		29-OCT-2013 12:56:26
Comments		
Input	Data	/Users/coglab/Experiments/Michelle/Untitled2.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	40
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		GLM ZRep0Ave ZRep1Ave ZRep5Ave /WSFACTOR=Repetition 3 Simple(1) /MEASURE=Liking /METHOD=SSTYPE(3) /PLOT=PROFILE (Repetition) /EMMEANS=TABLES (Repetition) COMPARE ADJ(BONFERRONI) /PRINT=ETASQ /CRITERIA=ALPHA(.05) /WSDESIGN=Repetition.
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	Elapsed Time	00:00:00.00

[DataSet1] /Users/coglab/Experiments/Michelle/Untitled2.sav

Within-Subjects Factors

Measure: Liking

Repetition	Dependent Variable
1	ZRep0Ave
2	ZRep1Ave
3	ZRep5Ave

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Repetition	Pillai's Trace	.064	1.295[b]	2.000	38.000	.286	.064
	Wilks' Lambda	.936	1.295[b]	2.000	38.000	.286	.064
	Hotelling's Trace	.068	1.295[b]	2.000	38.000	.286	.064
	Roy's Largest Root	.068	1.295[b]	2.000	38.000	.286	.064

a. Design: Intercept
Within Subjects Design: Repetition

b. Exact statistic

Mauchly's Test of Sphericity[a]

Measure: Liking

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon[b]		
					Greenhouse-Geisser	Huynh-Feldt	Lower-bound
Repetition	.962	1.456	2	.483	.964	1.000	.500

Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix.

a. Design: Intercept
Within Subjects Design: Repetition

b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table.

Tests of Within-Subjects Effects

Measure: Liking

Source		Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Repetition	Sphericity Assumed	.555	2	.278	1.194	.309	.030
	Greenhouse-Geisser	.555	1.928	.288	1.194	.308	.030
	Huynh-Feldt	.555	2.000	.278	1.194	.309	.030
	Lower-bound	.555	1.000	.555	1.194	.281	.030
Error(Repetition)	Sphericity Assumed	18.131	78	.232			
	Greenhouse-Geisser	18.131	75.174	.241			
	Huynh-Feldt	18.131	78.000	.232			
	Lower-bound	18.131	39.000	.465			

Tests of Within-Subjects Contrasts

Measure: Liking

Source	Repetition	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Repetition	Level 2 vs. Level 1	1.062	1	1.062	2.653	.111	.064
	Level 3 vs. Level 1	.497	1	.497	.901	.348	.023
Error(Repetition)	Level 2 vs. Level 1	15.616	39	.400			
	Level 3 vs. Level 1	21.515	39	.552			

Tests of Between-Subjects Effects

Measure: Liking

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	.045	1	.045	23.440	.000	.375
Error	.074	39	.002			

Estimated Marginal Means

Repetition

Estimates

Measure: Liking

Repetition	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	-.058	.066	-.192	.075
2	.105	.055	-.006	.215
3	.053	.066	-.081	.188

Pairwise Comparisons

Measure: Liking

(I) Repetition	(J) Repetition	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
					Lower Bound	Upper Bound
1	2	-.163	.100	.334	-.413	.087
	3	-.111	.117	1.000	-.405	.182
2	1	.163	.100	.334	-.087	.413
	3	.051	.105	1.000	-.212	.315
3	1	.111	.117	1.000	-.182	.405
	2	-.051	.105	1.000	-.315	.212

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

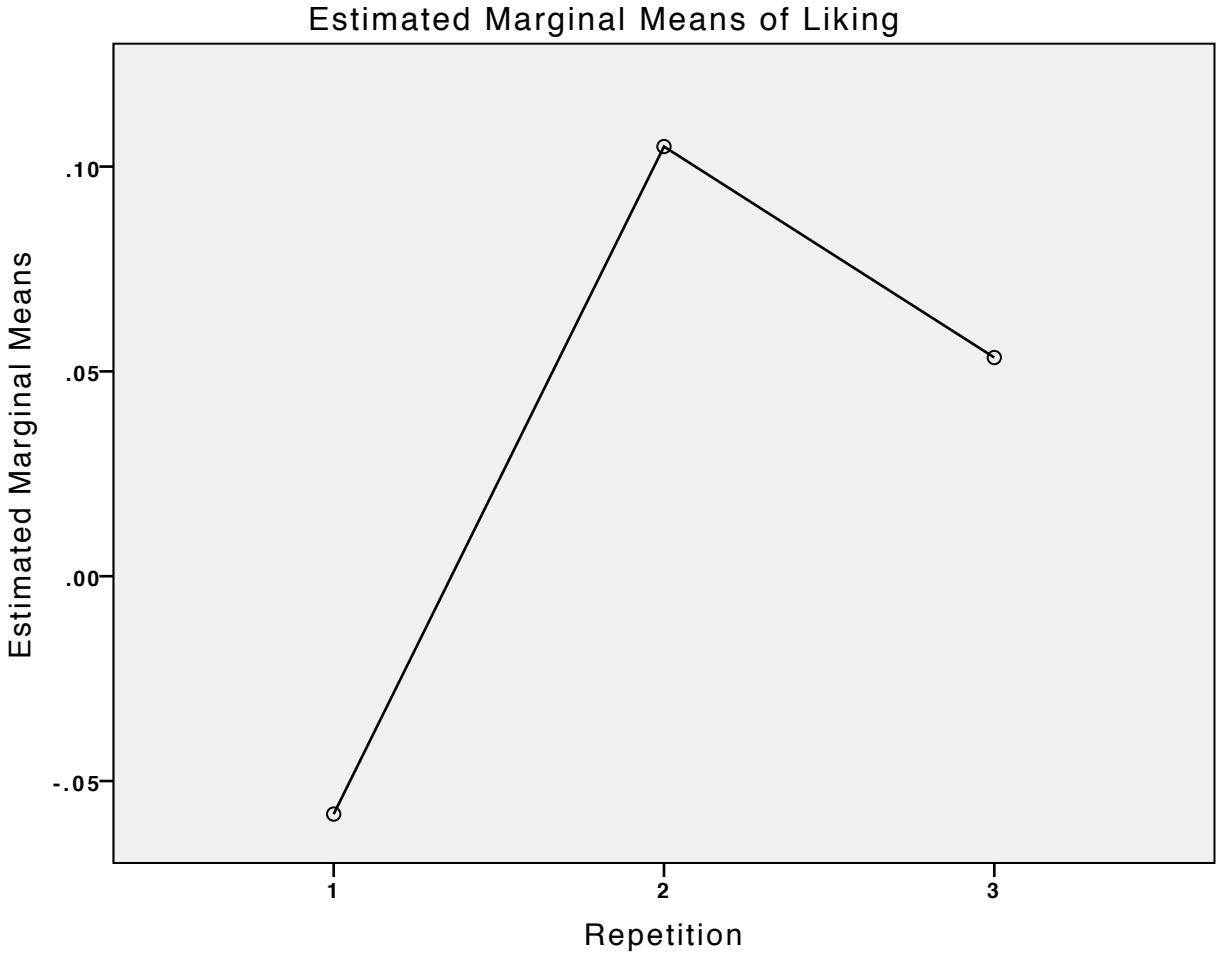
Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.064	1.295[a]	2.000	38.000	.286	.064
Wilks' lambda	.936	1.295[a]	2.000	38.000	.286	.064
Hotelling's trace	.068	1.295[a]	2.000	38.000	.286	.064
Roy's largest root	.068	1.295[a]	2.000	38.000	.286	.064

Each F tests the multivariate effect of Repetition. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

Profile Plots


Estimated Marginal Means of Liking
Estimated Marginal Means
.10
.05
.00
-.05
1
2
3
Repetition