```
GLM Offset1 Offset2 Offset3 Offset4 Offset5
 /WSFACTOR=Offset 5 Polynomial
 /MEASURE=Response
 /METHOD=SSTYPE(3)
 /PLOT=PROFILE(Offset)
 /EMMEANS=TABLES(Offset) COMPARE ADJ(BONFERRONI)
 /PRINT=DESCRIPTIVE ETASQ
 /CRITERIA=ALPHA(.05)
 /WSDESIGN=Offset.
```

General Linear Model

Notes

Output Created		14-NOV-2018 14:42:30
Comments		
Input	Active Dataset	DataSet1
	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.
Syntax		GLM Offset1 Offset2 Offset3 Offset4 Offset5 /WSFACTOR=Offset 5 Polynomial /MEASURE=Response /METHOD=SSTYPE(3) /PLOT=PROFILE(Offset) /EMMEANS=TABLES (Offset) COMPARE ADJ (BONFERRONI) /PRINT=DESCRIPTIVE ETASQ /CRITERIA=ALPHA(.05) /WSDESIGN=Offset.
Resources	Processor Time	00:00:00.22
	Elapsed Time	00:00:00.15

Within-Subjects Factors

Measure: Response

Offset	Dependent Variable
1	Offset1
2	Offset2
3	Offset3
4	Offset4
5	Offset5

Descriptive Statistics

	Mean	Std. Deviation	N
Offset1	2.3167	.36202	12
Offset2	2.3375	.28614	12
Offset3	2.3875	.27479	12
Offset4	2.3917	.32322	12
Offset5	2.6750	.45000	12

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df	Sig.
Offset	Pillai's Trace	.313	.913[b]	4.000	8.000	.501
	Wilks' Lambda	.687	.913[b]	4.000	8.000	.501
	Hotelling's Trace	.456	.913[b]	4.000	8.000	.501
	Roy's Largest Root	.456	.913[b]	4.000	8.000	.501

Multivariate Tests[a]

Effect		Partial Eta Squared
Offset	Pillai's Trace	.313
	Wilks' Lambda	.313
	Hotelling's Trace	.313
	Roy's Largest Root	.313

a. Design: Intercept
   Within Subjects Design: Offset

b. Exact statistic

Mauchly's Test of Sphericity[a]

Measure: Response

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon[b] Greenhouse-Geisser
Offset	.296	11.456	9	.253	.592

Mauchly's Test of Sphericity[a]

Measure: Response

Within Subjects Effect	Epsilon[b] Huynh-Feldt	Lower-bound
Offset	.765	.250

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: Offset

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: Response

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Offset	Sphericity Assumed	1.012	4	.253	2.998	.028
	Greenhouse-Geisser	1.012	2.369	.427	2.998	.060
	Huynh-Feldt	1.012	3.061	.331	2.998	.043
	Lower-bound	1.012	1.000	1.012	2.998	.111
Error(Offset)	Sphericity Assumed	3.714	44	.084		
	Greenhouse-Geisser	3.714	26.055	.143		
	Huynh-Feldt	3.714	33.675	.110		
	Lower-bound	3.714	11.000	.338		

Tests of Within-Subjects Effects

Measure: Response

Source		Partial Eta Squared
Offset	Sphericity Assumed	.214
	Greenhouse-Geisser	.214
	Huynh-Feldt	.214
	Lower-bound	.214
Error(Offset)	Sphericity Assumed	
	Greenhouse-Geisser	
	Huynh-Feldt	
	Lower-bound	

Tests of Within-Subjects Contrasts

Measure: Response

Source	Offset	Type III Sum of Squares	df	Mean Square	F	Sig.
Offset	Linear	.713	1	.713	4.364	.061
	Quadratic	.197	1	.197	2.975	.113
	Cubic	.075	1	.075	1.790	.208
	Order 4	.027	1	.027	.415	.533
Error(Offset)	Linear	1.797	11	.163		
	Quadratic	.728	11	.066		
	Cubic	.461	11	.042		
	Order 4	.728	11	.066		

Tests of Within-Subjects Contrasts

Measure: Response

Source	Offset	Partial Eta Squared
Offset	Linear	.284
	Quadratic	.213
	Cubic	.140
	Order 4	.036
Error(Offset)	Linear	
	Quadratic	
	Cubic	
	Order 4	

Tests of Between-Subjects Effects

Measure: Response

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	351.868	1	351.868	1364.872	.000	.992
Error	2.836	11	.258			

Estimated Marginal Means

Offset

Estimates

Measure: Response

Offset	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	2.317	.105	2.087	2.547
2	2.338	.083	2.156	2.519
3	2.387	.079	2.213	2.562
4	2.392	.093	2.186	2.597
5	2.675	.130	2.389	2.961

Pairwise Comparisons

Measure: Response

(I) Offset	(J) Offset	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a] Lower Bound	95% Confidence Interval for Difference[a] Upper Bound
1	2	-.021	.079	1.000	-.298	.257
	3	-.071	.088	1.000	-.379	.238
	4	-.075	.102	1.000	-.432	.282
	5	-.358	.168	.564	-.946	.229
2	1	.021	.079	1.000	-.257	.298
	3	-.050	.091	1.000	-.368	.268
	4	-.054	.077	1.000	-.324	.216
	5	-.337	.156	.533	-.883	.208
3	1	.071	.088	1.000	-.238	.379
	2	.050	.091	1.000	-.268	.368
	4	-.004	.098	1.000	-.348	.340
	5	-.287	.141	.656	-.779	.204
4	1	.075	.102	1.000	-.282	.432
	2	.054	.077	1.000	-.216	.324
	3	.004	.098	1.000	-.340	.348
	5	-.283	.141	.695	-.776	.209
5	1	.358	.168	.564	-.229	.946
	2	.337	.156	.533	-.208	.883
	3	.287	.141	.656	-.204	.779
	4	.283	.141	.695	-.209	.776

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	.313	.913[a]	4.000	8.000	.501	.313
Wilks' lambda	.687	.913[a]	4.000	8.000	.501	.313
Hotelling's trace	.456	.913[a]	4.000	8.000	.501	.313
Roy's largest root	.456	.913[a]	4.000	8.000	.501	.313

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

a. Exact statistic

Profile Plots

Estimated Marginal Means of Response