```
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 11:46:38 |
| Comments | | |
| Input | Data | \\files\users\kkillebrew\Desktop\Freqtag\RM_ANOVA_FT_ORI_LEFT.sav |
| | 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<br>/WSFACTOR=Offset 5 Polynomial<br>/MEASURE=Response<br>/METHOD=SSTYPE(3)<br>/PLOT=PROFILE(Offset)<br>/EMMEANS=TABLES (Offset) COMPARE ADJ (BONFERRONI)<br>/PRINT=DESCRIPTIVE ETASQ<br>/CRITERIA=ALPHA(.05)<br>/WSDESIGN=Offset. |

## Notes

| | | |
|---|---|---|
| Resources | Processor Time | 00:00:00.16 |
| | Elapsed Time | 00:00:00.14 |

## 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 | 2.4667 | .25346 | 12 |
| Offset2 | 2.5167 | .26227 | 12 |
| Offset3 | 2.4583 | .28110 | 12 |
| Offset4 | 2.2583 | .32879 | 12 |
| Offset5 | 2.4583 | .39877 | 12 |

## Multivariate Tests[a]

| Effect | | Value | F | Hypothesis df | Error df | Sig. |
|---|---|---|---|---|---|---|
| Offset | Pillai's Trace | .399 | 1.330[b] | 4.000 | 8.000 | .338 |
| | Wilks' Lambda | .601 | 1.330[b] | 4.000 | 8.000 | .338 |
| | Hotelling's Trace | .665 | 1.330[b] | 4.000 | 8.000 | .338 |
| | Roy's Largest Root | .665 | 1.330[b] | 4.000 | 8.000 | .338 |

## Multivariate Tests[a]

| Effect | | Partial Eta Squared |
|---|---|---|
| Offset | Pillai's Trace | .399 |
| | Wilks' Lambda | .399 |
| | Hotelling's Trace | .399 |
| | Roy's Largest Root | .399 |

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 | .681 | 3.622 | 9 | .936 | .810 |

## Mauchly's Test of Sphericity[a]

Measure: Response

| Within Subjects Effect | Epsilon[b] Huynh-Feldt | Lower-bound |
|---|---|---|
| Offset | 1.000 | .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 | .479 | 4 | .120 | 1.661 | .176 |
| | Greenhouse-Geisser | .479 | 3.241 | .148 | 1.661 | .190 |
| | Huynh-Feldt | .479 | 4.000 | .120 | 1.661 | .176 |
| | Lower-bound | .479 | 1.000 | .479 | 1.661 | .224 |
| Error(Offset) | Sphericity Assumed | 3.173 | 44 | .072 | | |
| | Greenhouse-Geisser | 3.173 | 35.655 | .089 | | |
| | Huynh-Feldt | 3.173 | 44.000 | .072 | | |
| | Lower-bound | 3.173 | 11.000 | .288 | | |

## Tests of Within-Subjects Effects

Measure: Response

| Source | | Partial Eta Squared |
|---|---|---|
| Offset | Sphericity Assumed | .131 |
| | Greenhouse-Geisser | .131 |
| | Huynh-Feldt | .131 |
| | Lower-bound | .131 |
| 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 | .091 | 1 | .091 | 1.549 | .239 |
| | Quadratic | .021 | 1 | .021 | .245 | .630 |
| | Cubic | .310 | 1 | .310 | 3.610 | .084 |
| | Order 4 | .057 | 1 | .057 | 1.005 | .338 |
| Error(Offset) | Linear | .644 | 11 | .059 | | |
| | Quadratic | .964 | 11 | .088 | | |
| | Cubic | .945 | 11 | .086 | | |
| | Order 4 | .620 | 11 | .056 | | |

### Tests of Within-Subjects Contrasts

Measure: Response

| Source | Offset | Partial Eta Squared |
|---|---|---|
| Offset | Linear | .123 |
| | Quadratic | .022 |
| | Cubic | .247 |
| | Order 4 | .084 |
| 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 | 354.780 | 1 | 354.780 | 1860.292 | .000 | .994 |
| Error | 2.098 | 11 | .191 | | | |

## Estimated Marginal Means

## Offset

### Estimates

Measure: Response

| Offset | Mean | Std. Error | 95% Confidence Interval | |
|---|---|---|---|---|
| | | | Lower Bound | Upper Bound |
| 1 | 2.467 | .073 | 2.306 | 2.628 |
| 2 | 2.517 | .076 | 2.350 | 2.683 |
| 3 | 2.458 | .081 | 2.280 | 2.637 |
| 4 | 2.258 | .095 | 2.049 | 2.467 |
| 5 | 2.458 | .115 | 2.205 | 2.712 |

## Pairwise Comparisons

Measure: Response

| (I) Offset | (J) Offset | Mean Difference (I-J) | Std. Error | Sig.[a] | 95% Confidence Interval for Difference[a] | |
|---|---|---|---|---|---|---|
| | | | | | Lower Bound | Upper Bound |
| 1 | 2 | -.050 | .097 | 1.000 | -.388 | .288 |
| | 3 | .008 | .089 | 1.000 | -.303 | .320 |
| | 4 | .208 | .103 | .688 | -.153 | .570 |
| | 5 | .008 | .112 | 1.000 | -.385 | .402 |
| 2 | 1 | .050 | .097 | 1.000 | -.288 | .388 |
| | 3 | .058 | .099 | 1.000 | -.287 | .404 |
| | 4 | .258 | .107 | .342 | -.116 | .632 |
| | 5 | .058 | .113 | 1.000 | -.337 | .454 |
| 3 | 1 | -.008 | .089 | 1.000 | -.320 | .303 |
| | 2 | -.058 | .099 | 1.000 | -.404 | .287 |
| | 4 | .200 | .095 | .598 | -.133 | .533 |
| | 5 | .000 | .126 | 1.000 | -.439 | .439 |
| 4 | 1 | -.208 | .103 | .688 | -.570 | .153 |
| | 2 | -.258 | .107 | .342 | -.632 | .116 |
| | 3 | -.200 | .095 | .598 | -.533 | .133 |
| | 5 | -.200 | .144 | 1.000 | -.704 | .304 |
| 5 | 1 | -.008 | .112 | 1.000 | -.402 | .385 |
| | 2 | -.058 | .113 | 1.000 | -.454 | .337 |
| | 3 | .000 | .126 | 1.000 | -.439 | .439 |
| | 4 | .200 | .144 | 1.000 | -.304 | .704 |

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 | .399 | 1.330[a] | 4.000 | 8.000 | .338 | .399 |
| Wilks' lambda | .601 | 1.330[a] | 4.000 | 8.000 | .338 | .399 |
| Hotelling's trace | .665 | 1.330[a] | 4.000 | 8.000 | .338 | .399 |
| Roy's largest root | .665 | 1.330[a] | 4.000 | 8.000 | .338 | .399 |

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