**Appendix X: Experiment 2: ANOVA Subjective Reports**

GLM AL\_Initial\_LCLF AL\_Reflective\_LCLF AL\_Initial\_MCMF AL\_Reflective\_MCMF AL\_Initial\_HCHF

AL\_Reflective\_HCHF

/WSFACTOR=Comp\_Flu 3 Polynomial Timing 2 Polynomial

/METHOD=SSTYPE(3)

/PLOT=PROFILE(Comp\_Flu\*Timing) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO

/EMMEANS=TABLES(OVERALL)

/EMMEANS=TABLES(Comp\_Flu) COMPARE ADJ(BONFERRONI)

/EMMEANS=TABLES(Timing) COMPARE ADJ(BONFERRONI)

/EMMEANS=TABLES(Comp\_Flu\*Timing)

/PRINT=DESCRIPTIVE ETASQ OPOWER PARAMETER

/CRITERIA=ALPHA(.05)

/WSDESIGN=Comp\_Flu Timing Comp\_Flu\*Timing.

**General Linear Model**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 24-SEP-2019 11:44:05 |
| Comments | |  |
| Input | Data | E:\Master's by Research\Tammy's MSc Data - Study 2\Study\_2\_Self-Report\_Data.sav |
| Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 144 |
| 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 AL\_Initial\_LCLF AL\_Reflective\_LCLF AL\_Initial\_MCMF AL\_Reflective\_MCMF AL\_Initial\_HCHF  AL\_Reflective\_HCHF  /WSFACTOR=Comp\_Flu 3 Polynomial Timing 2 Polynomial  /METHOD=SSTYPE(3)  /PLOT=PROFILE(Comp\_Flu\*Timing) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO  /EMMEANS=TABLES(OVERALL)  /EMMEANS=TABLES(Comp\_Flu) COMPARE ADJ(BONFERRONI)  /EMMEANS=TABLES(Timing) COMPARE ADJ(BONFERRONI)  /EMMEANS=TABLES(Comp\_Flu\*Timing)  /PRINT=DESCRIPTIVE ETASQ OPOWER PARAMETER  /CRITERIA=ALPHA(.05)  /WSDESIGN=Comp\_Flu Timing Comp\_Flu\*Timing. |
| Resources | Processor Time | 00:00:03.93 |
| Elapsed Time | 00:00:01.64 |

|  |  |  |
| --- | --- | --- |
| **Within-Subjects Factors** | | |
| Measure: MEASURE\_1 | | |
| Comp\_Flu | Timing | Dependent Variable |
| 1 | 1 | AL\_Initial\_LCLF |
| 2 | AL\_Reflective\_LCLF |
| 2 | 1 | AL\_Initial\_MCMF |
| 2 | AL\_Reflective\_MCMF |
| 3 | 1 | AL\_Initial\_HCHF |
| 2 | AL\_Reflective\_HCHF |

|  |  |  |  |
| --- | --- | --- | --- |
| **Descriptive Statistics** | | | |
|  | Mean | Std. Deviation | N |
| AL\_Initial\_LCLF | 4.0694 | 2.32545 | 144 |
| AL\_Reflective\_LCLF | 5.1528 | 5.38753 | 144 |
| AL\_Initial\_MCMF | 5.1875 | 2.17734 | 144 |
| AL\_Reflective\_MCMF | 6.0694 | 2.48535 | 144 |
| AL\_Initial\_HCHF | 6.3333 | 1.84732 | 144 |
| AL\_Reflective\_HCHF | 7.3194 | 1.84600 | 144 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Testsa** | | | | | | | | | |
| Effect | | Value | F | Hypothesis df | Error df |  |  |  |  |
| Comp\_Flu | Pillai's Trace | .318 | 33.138b | 2.000 | 142.000 |  |  |  |  |
| Wilks' Lambda | .682 | 33.138b | 2.000 | 142.000 |  |  |  |  |
| Hotelling's Trace | .467 | 33.138b | 2.000 | 142.000 |  |  |  |  |
| Roy's Largest Root | .467 | 33.138b | 2.000 | 142.000 |  |  |  |  |
| Timing | Pillai's Trace | .213 | 38.669b | 1.000 | 143.000 |  |  |  |  |
| Wilks' Lambda | .787 | 38.669b | 1.000 | 143.000 |  |  |  |  |
| Hotelling's Trace | .270 | 38.669b | 1.000 | 143.000 |  |  |  |  |
| Roy's Largest Root | .270 | 38.669b | 1.000 | 143.000 |  |  |  |  |
| Comp\_Flu \* Timing | Pillai's Trace | .004 | .271b | 2.000 | 142.000 |  |  |  |  |
| Wilks' Lambda | .996 | .271b | 2.000 | 142.000 |  |  |  |  |
| Hotelling's Trace | .004 | .271b | 2.000 | 142.000 |  |  |  |  |
| Roy's Largest Root | .004 | .271b | 2.000 | 142.000 |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Mauchly's Test of Sphericitya** | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | |
| Within Subjects Effect | Mauchly's W | Approx. Chi-Square | df | Sig. | Epsilonb |  |  |
| Greenhouse-Geisser |  |  |
| Comp\_Flu | .823 | 27.676 | 2 | .000 | .850 |  |  |
| Timing | 1.000 | .000 | 0 | . | 1.000 |  |  |
| Comp\_Flu \* Timing | .354 | 147.392 | 2 | .000 | .608 |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Effects** | | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | | |
| Source | | Type III Sum of Squares | df | Mean Square |  |  |  |  |  |
| Comp\_Flu | Sphericity Assumed | 708.238 | 2 | 354.119 |  |  |  |  |  |
| Greenhouse-Geisser | 708.238 | 1.699 | 416.828 |  |  |  |  |  |
| Huynh-Feldt | 708.238 | 1.717 | 412.386 |  |  |  |  |  |
| Lower-bound | 708.238 | 1.000 | 708.238 |  |  |  |  |  |
| Error(Comp\_Flu) | Sphericity Assumed | 3073.095 | 286 | 10.745 |  |  |  |  |  |
| Greenhouse-Geisser | 3073.095 | 242.974 | 12.648 |  |  |  |  |  |
| Huynh-Feldt | 3073.095 | 245.591 | 12.513 |  |  |  |  |  |
| Lower-bound | 3073.095 | 143.000 | 21.490 |  |  |  |  |  |
| Timing | Sphericity Assumed | 209.057 | 1 | 209.057 |  |  |  |  |  |
| Greenhouse-Geisser | 209.057 | 1.000 | 209.057 |  |  |  |  |  |
| Huynh-Feldt | 209.057 | 1.000 | 209.057 |  |  |  |  |  |
| Lower-bound | 209.057 | 1.000 | 209.057 |  |  |  |  |  |
| Error(Timing) | Sphericity Assumed | 773.110 | 143 | 5.406 |  |  |  |  |  |
| Greenhouse-Geisser | 773.110 | 143.000 | 5.406 |  |  |  |  |  |
| Huynh-Feldt | 773.110 | 143.000 | 5.406 |  |  |  |  |  |
| Lower-bound | 773.110 | 143.000 | 5.406 |  |  |  |  |  |
| Comp\_Flu \* Timing | Sphericity Assumed | 1.461 | 2 | .730 |  |  |  |  |  |
| Greenhouse-Geisser | 1.461 | 1.215 | 1.202 |  |  |  |  |  |
| Huynh-Feldt | 1.461 | 1.220 | 1.197 |  |  |  |  |  |
| Lower-bound | 1.461 | 1.000 | 1.461 |  |  |  |  |  |
| Error(Comp\_Flu\*Timing) | Sphericity Assumed | 1377.873 | 286 | 4.818 |  |  |  |  |  |
| Greenhouse-Geisser | 1377.873 | 173.773 | 7.929 |  |  |  |  |  |
| Huynh-Feldt | 1377.873 | 174.471 | 7.897 |  |  |  |  |  |
| Lower-bound | 1377.873 | 143.000 | 9.635 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Contrasts** | | | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | | | |
| Source | Comp\_Flu | Timing | Type III Sum of Squares | df | Mean Square |  |  |  |  |  |
| Comp\_Flu | Linear |  | 706.674 | 1 | 706.674 |  |  |  |  |  |
| Quadratic |  | 1.565 | 1 | 1.565 |  |  |  |  |  |
| Error(Comp\_Flu) | Linear |  | 1847.326 | 143 | 12.918 |  |  |  |  |  |
| Quadratic |  | 1225.769 | 143 | 8.572 |  |  |  |  |  |
| Timing |  | Linear | 209.057 | 1 | 209.057 |  |  |  |  |  |
| Error(Timing) |  | Linear | 773.110 | 143 | 5.406 |  |  |  |  |  |
| Comp\_Flu \* Timing | Linear | Linear | .340 | 1 | .340 |  |  |  |  |  |
| Quadratic | Linear | 1.120 | 1 | 1.120 |  |  |  |  |  |
| Error(Comp\_Flu\*Timing) | Linear | Linear | 973.660 | 143 | 6.809 |  |  |  |  |  |
| Quadratic | Linear | 404.213 | 143 | 2.827 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Between-Subjects Effects** | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | |
| Transformed Variable: Average | | | | | | | | |
| Source | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |  |  |
| Intercept | 27959.751 | 1 | 27959.751 | 1787.791 | .000 | .926 |  |  |
| Error | 2236.416 | 143 | 15.639 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter Estimates** | | | | | | | | | | |
| Dependent Variable | Parameter | B | Std. Error | t | Sig. | 95% Confidence Interval |  |  |  |  |
| Lower Bound |  |  |  |  |
| AL\_Initial\_LCLF | Intercept | 4.069 | .194 | 20.999 | .000 | 3.686 |  |  |  |  |
| AL\_Reflective\_LCLF | Intercept | 5.153 | .449 | 11.477 | .000 | 4.265 |  |  |  |  |
| AL\_Initial\_MCMF | Intercept | 5.188 | .181 | 28.590 | .000 | 4.829 |  |  |  |  |
| AL\_Reflective\_MCMF | Intercept | 6.069 | .207 | 29.305 | .000 | 5.660 |  |  |  |  |
| AL\_Initial\_HCHF | Intercept | 6.333 | .154 | 41.141 | .000 | 6.029 |  |  |  |  |
| AL\_Reflective\_HCHF | Intercept | 7.319 | .154 | 47.580 | .000 | 7.015 |  |  |  |  |

**Estimated Marginal Means**

|  |  |  |  |
| --- | --- | --- | --- |
| **1. Grand Mean** | | | |
| Measure: MEASURE\_1 | | | |
| Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 5.689 | .135 | 5.423 | 5.955 |

**2. Comp\_Flu**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Estimates** | | | | |
| Measure: MEASURE\_1 | | | | |
| Comp\_Flu | Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 1 | 4.611 | .274 | 4.069 | 5.153 |
| 2 | 5.628 | .182 | 5.270 | 5.987 |
| 3 | 6.826 | .144 | 6.541 | 7.112 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pairwise Comparisons** | | | | | | |
| Measure: MEASURE\_1 | | | | | | |
| (I) Comp\_Flu | (J) Comp\_Flu | Mean Difference (I-J) | Std. Error | Sig.b | 95% Confidence Interval for Differenceb |  |
| Lower Bound |  |
| 1 | 2 | -1.017\* | .302 | .003 | -1.748 |  |
| 3 | -2.215\* | .300 | .000 | -2.941 |  |
| 2 | 1 | 1.017\* | .302 | .003 | .287 |  |
| 3 | -1.198\* | .208 | .000 | -1.702 |  |
| 3 | 1 | 2.215\* | .300 | .000 | 1.490 |  |
| 2 | 1.198\* | .208 | .000 | .694 |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Tests** | | | | | | | | |
|  | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |  |  |
| Pillai's trace | .318 | 33.138a | 2.000 | 142.000 | .000 | .318 |  |  |
| Wilks' lambda | .682 | 33.138a | 2.000 | 142.000 | .000 | .318 |  |  |
| Hotelling's trace | .467 | 33.138a | 2.000 | 142.000 | .000 | .318 |  |  |
| Roy's largest root | .467 | 33.138a | 2.000 | 142.000 | .000 | .318 |  |  |

**3. Timing**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Estimates** | | | | |
| Measure: MEASURE\_1 | | | | |
| Timing | Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 1 | 5.197 | .109 | 4.982 | 5.411 |
| 2 | 6.181 | .192 | 5.801 | 6.560 |

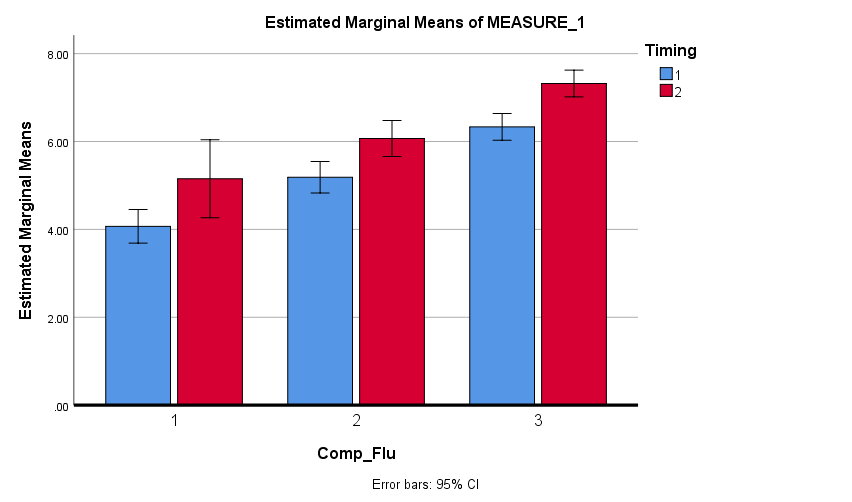
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pairwise Comparisons** | | | | | | |
| Measure: MEASURE\_1 | | | | | | |
| (I) Timing | (J) Timing | Mean Difference (I-J) | Std. Error | Sig.b | 95% Confidence Interval for Differenceb | |
| Lower Bound | Upper Bound |
| 1 | 2 | -.984\* | .158 | .000 | -1.297 | -.671 |
| 2 | 1 | .984\* | .158 | .000 | .671 | 1.297 |

|  |
| --- |
| Based on estimated marginal means |
| \*. The mean difference is significant at the .05 level. |
| b. Adjustment for multiple comparisons: Bonferroni. |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Tests** | | | | | | | | |
|  | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |  |  |
| Pillai's trace | .213 | 38.669a | 1.000 | 143.000 | .000 | .213 |  |  |
| Wilks' lambda | .787 | 38.669a | 1.000 | 143.000 | .000 | .213 |  |  |
| Hotelling's trace | .270 | 38.669a | 1.000 | 143.000 | .000 | .213 |  |  |
| Roy's largest root | .270 | 38.669a | 1.000 | 143.000 | .000 | .213 |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **4. Comp\_Flu \* Timing** | | | | | |
| Measure: MEASURE\_1 | | | | | |
| Comp\_Flu | Timing | Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 1 | 1 | 4.069 | .194 | 3.686 | 4.453 |
| 2 | 5.153 | .449 | 4.265 | 6.040 |
| 2 | 1 | 5.188 | .181 | 4.829 | 5.546 |
| 2 | 6.069 | .207 | 5.660 | 6.479 |
| 3 | 1 | 6.333 | .154 | 6.029 | 6.638 |
| 2 | 7.319 | .154 | 7.015 | 7.624 |

**Profile Plots**



GLM CF\_Initial\_LCLF CF\_Reflective\_LCLF CF\_Initial\_MCMF CF\_Reflective\_MCMF CF\_Initial\_HCHF

CF\_Reflective\_HCHF

/WSFACTOR=Comp\_Flu 3 Polynomial Timing 2 Polynomial

/METHOD=SSTYPE(3)

/PLOT=PROFILE(Comp\_Flu\*Timing) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO

/EMMEANS=TABLES(OVERALL)

/EMMEANS=TABLES(Comp\_Flu) COMPARE ADJ(BONFERRONI)

/EMMEANS=TABLES(Timing) COMPARE ADJ(BONFERRONI)

/EMMEANS=TABLES(Comp\_Flu\*Timing)

/PRINT=DESCRIPTIVE ETASQ OPOWER PARAMETER

/CRITERIA=ALPHA(.05)

/WSDESIGN=Comp\_Flu Timing Comp\_Flu\*Timing.

**General Linear Model**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 24-SEP-2019 21:06:38 |
| Comments | |  |
| Input | Data | E:\Master's by Research\Tammy's MSc Data - Study 2\Study\_2\_Self-Report\_Data.sav |
| Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 144 |
| 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 CF\_Initial\_LCLF CF\_Reflective\_LCLF CF\_Initial\_MCMF CF\_Reflective\_MCMF CF\_Initial\_HCHF  CF\_Reflective\_HCHF  /WSFACTOR=Comp\_Flu 3 Polynomial Timing 2 Polynomial  /METHOD=SSTYPE(3)  /PLOT=PROFILE(Comp\_Flu\*Timing) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO  /EMMEANS=TABLES(OVERALL)  /EMMEANS=TABLES(Comp\_Flu) COMPARE ADJ(BONFERRONI)  /EMMEANS=TABLES(Timing) COMPARE ADJ(BONFERRONI)  /EMMEANS=TABLES(Comp\_Flu\*Timing)  /PRINT=DESCRIPTIVE ETASQ OPOWER PARAMETER  /CRITERIA=ALPHA(.05)  /WSDESIGN=Comp\_Flu Timing Comp\_Flu\*Timing. |
| Resources | Processor Time | 00:00:03.51 |
| Elapsed Time | 00:00:02.71 |

[DataSet1] E:\Master's by Research\Tammy's MSc Data - Study 2\Study\_2\_Self-Report\_Data.sav

|  |  |  |
| --- | --- | --- |
| **Within-Subjects Factors** | | |
| Measure: MEASURE\_1 | | |
| Comp\_Flu | Timing | Dependent Variable |
| 1 | 1 | CF\_Initial\_LCLF |
| 2 | CF\_Reflective\_LCLF |
| 2 | 1 | CF\_Initial\_MCMF |
| 2 | CF\_Reflective\_MCMF |
| 3 | 1 | CF\_Initial\_HCHF |
| 2 | CF\_Reflective\_HCHF |

|  |  |  |  |
| --- | --- | --- | --- |
| **Descriptive Statistics** | | | |
|  | Mean | Std. Deviation | N |
| CF\_Initial\_LCLF | 23.2778 | 19.58965 | 144 |
| CF\_Reflective\_LCLF | 28.5556 | 23.15704 | 144 |
| CF\_Initial\_MCMF | 35.6250 | 20.71177 | 144 |
| CF\_Reflective\_MCMF | 47.3611 | 24.58000 | 144 |
| CF\_Initial\_HCHF | 48.1944 | 21.98705 | 144 |
| CF\_Reflective\_HCHF | 61.6667 | 23.29501 | 144 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Testsa** | | | | | | | | | |
| Effect | | Value | F | Hypothesis df | Error df |  |  |  |  |
| Comp\_Flu | Pillai's Trace | .519 | 76.705b | 2.000 | 142.000 |  |  |  |  |
| Wilks' Lambda | .481 | 76.705b | 2.000 | 142.000 |  |  |  |  |
| Hotelling's Trace | 1.080 | 76.705b | 2.000 | 142.000 |  |  |  |  |
| Roy's Largest Root | 1.080 | 76.705b | 2.000 | 142.000 |  |  |  |  |
| Timing | Pillai's Trace | .506 | 146.467b | 1.000 | 143.000 |  |  |  |  |
| Wilks' Lambda | .494 | 146.467b | 1.000 | 143.000 |  |  |  |  |
| Hotelling's Trace | 1.024 | 146.467b | 1.000 | 143.000 |  |  |  |  |
| Roy's Largest Root | 1.024 | 146.467b | 1.000 | 143.000 |  |  |  |  |
| Comp\_Flu \* Timing | Pillai's Trace | .171 | 14.640b | 2.000 | 142.000 |  |  |  |  |
| Wilks' Lambda | .829 | 14.640b | 2.000 | 142.000 |  |  |  |  |
| Hotelling's Trace | .206 | 14.640b | 2.000 | 142.000 |  |  |  |  |
| Roy's Largest Root | .206 | 14.640b | 2.000 | 142.000 |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Mauchly's Test of Sphericitya** | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | |
| Within Subjects Effect | Mauchly's W | Approx. Chi-Square | df | Sig. | Epsilonb |  |  |
| Greenhouse-Geisser |  |  |
| Comp\_Flu | .918 | 12.134 | 2 | .002 | .924 |  |  |
| Timing | 1.000 | .000 | 0 | . | 1.000 |  |  |
| Comp\_Flu \* Timing | .973 | 3.872 | 2 | .144 | .974 |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Effects** | | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | | |
| Source | | Type III Sum of Squares | df | Mean Square |  |  |  |  |  |
| Comp\_Flu | Sphericity Assumed | 121439.620 | 2 | 60719.810 |  |  |  |  |  |
| Greenhouse-Geisser | 121439.620 | 1.849 | 65692.988 |  |  |  |  |  |
| Huynh-Feldt | 121439.620 | 1.872 | 64880.921 |  |  |  |  |  |
| Lower-bound | 121439.620 | 1.000 | 121439.620 |  |  |  |  |  |
| Error(Comp\_Flu) | Sphericity Assumed | 221605.713 | 286 | 774.845 |  |  |  |  |  |
| Greenhouse-Geisser | 221605.713 | 264.349 | 838.308 |  |  |  |  |  |
| Huynh-Feldt | 221605.713 | 267.658 | 827.945 |  |  |  |  |  |
| Lower-bound | 221605.713 | 143.000 | 1549.690 |  |  |  |  |  |
| Timing | Sphericity Assumed | 22305.671 | 1 | 22305.671 |  |  |  |  |  |
| Greenhouse-Geisser | 22305.671 | 1.000 | 22305.671 |  |  |  |  |  |
| Huynh-Feldt | 22305.671 | 1.000 | 22305.671 |  |  |  |  |  |
| Lower-bound | 22305.671 | 1.000 | 22305.671 |  |  |  |  |  |
| Error(Timing) | Sphericity Assumed | 21777.662 | 143 | 152.291 |  |  |  |  |  |
| Greenhouse-Geisser | 21777.662 | 143.000 | 152.291 |  |  |  |  |  |
| Huynh-Feldt | 21777.662 | 143.000 | 152.291 |  |  |  |  |  |
| Lower-bound | 21777.662 | 143.000 | 152.291 |  |  |  |  |  |
| Comp\_Flu \* Timing | Sphericity Assumed | 2684.954 | 2 | 1342.477 |  |  |  |  |  |
| Greenhouse-Geisser | 2684.954 | 1.948 | 1378.587 |  |  |  |  |  |
| Huynh-Feldt | 2684.954 | 1.974 | 1360.067 |  |  |  |  |  |
| Lower-bound | 2684.954 | 1.000 | 2684.954 |  |  |  |  |  |
| Error(Comp\_Flu\*Timing) | Sphericity Assumed | 30781.713 | 286 | 107.628 |  |  |  |  |  |
| Greenhouse-Geisser | 30781.713 | 278.509 | 110.523 |  |  |  |  |  |
| Huynh-Feldt | 30781.713 | 282.301 | 109.039 |  |  |  |  |  |
| Lower-bound | 30781.713 | 143.000 | 215.257 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Contrasts** | | | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | | | |
| Source | Comp\_Flu | Timing | Type III Sum of Squares | df | Mean Square |  |  |  |  |  |
| Comp\_Flu | Linear |  | 121220.028 | 1 | 121220.028 |  |  |  |  |  |
| Quadratic |  | 219.593 | 1 | 219.593 |  |  |  |  |  |
| Error(Comp\_Flu) | Linear |  | 123833.972 | 143 | 865.972 |  |  |  |  |  |
| Quadratic |  | 97771.741 | 143 | 683.718 |  |  |  |  |  |
| Timing |  | Linear | 22305.671 | 1 | 22305.671 |  |  |  |  |  |
| Error(Timing) |  | Linear | 21777.662 | 143 | 152.291 |  |  |  |  |  |
| Comp\_Flu \* Timing | Linear | Linear | 2417.361 | 1 | 2417.361 |  |  |  |  |  |
| Quadratic | Linear | 267.593 | 1 | 267.593 |  |  |  |  |  |
| Error(Comp\_Flu\*Timing) | Linear | Linear | 12932.639 | 143 | 90.438 |  |  |  |  |  |
| Quadratic | Linear | 17849.074 | 143 | 124.819 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Between-Subjects Effects** | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | |
| Transformed Variable: Average | | | | | | | | |
| Source | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |  |  |
| Intercept | 1436845.782 | 1 | 1436845.782 | 1352.954 | .000 | .904 |  |  |
| Error | 151866.884 | 143 | 1062.006 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter Estimates** | | | | | | | | | | |
| Dependent Variable | Parameter | B | Std. Error | t | Sig. | 95% Confidence Interval |  |  |  |  |
| Lower Bound |  |  |  |  |
| CF\_Initial\_LCLF | Intercept | 23.278 | 1.632 | 14.259 | .000 | 20.051 |  |  |  |  |
| CF\_Reflective\_LCLF | Intercept | 28.556 | 1.930 | 14.798 | .000 | 24.741 |  |  |  |  |
| CF\_Initial\_MCMF | Intercept | 35.625 | 1.726 | 20.640 | .000 | 32.213 |  |  |  |  |
| CF\_Reflective\_MCMF | Intercept | 47.361 | 2.048 | 23.122 | .000 | 43.312 |  |  |  |  |
| CF\_Initial\_HCHF | Intercept | 48.194 | 1.832 | 26.303 | .000 | 44.573 |  |  |  |  |
| CF\_Reflective\_HCHF | Intercept | 61.667 | 1.941 | 31.766 | .000 | 57.829 |  |  |  |  |

**Estimated Marginal Means**

|  |  |  |  |
| --- | --- | --- | --- |
| **1. Grand Mean** | | | |
| Measure: MEASURE\_1 | | | |
| Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 40.780 | 1.109 | 38.589 | 42.972 |

**2. Comp\_Flu**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Estimates** | | | | |
| Measure: MEASURE\_1 | | | | |
| Comp\_Flu | Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 1 | 25.917 | 1.690 | 22.575 | 29.258 |
| 2 | 41.493 | 1.744 | 38.046 | 44.940 |
| 3 | 54.931 | 1.781 | 51.411 | 58.451 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pairwise Comparisons** | | | | | | |
| Measure: MEASURE\_1 | | | | | | |
| (I) Comp\_Flu | (J) Comp\_Flu | Mean Difference (I-J) | Std. Error | Sig.b | 95% Confidence Interval for Differenceb |  |
| Lower Bound |  |
| 1 | 2 | -15.576\* | 1.962 | .000 | -20.329 |  |
| 3 | -29.014\* | 2.452 | .000 | -34.954 |  |
| 2 | 1 | 15.576\* | 1.962 | .000 | 10.824 |  |
| 3 | -13.437\* | 2.506 | .000 | -19.508 |  |
| 3 | 1 | 29.014\* | 2.452 | .000 | 23.073 |  |
| 2 | 13.437\* | 2.506 | .000 | 7.367 |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Tests** | | | | | | | | |
|  | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |  |  |
| Pillai's trace | .519 | 76.705a | 2.000 | 142.000 | .000 | .519 |  |  |
| Wilks' lambda | .481 | 76.705a | 2.000 | 142.000 | .000 | .519 |  |  |
| Hotelling's trace | 1.080 | 76.705a | 2.000 | 142.000 | .000 | .519 |  |  |
| Roy's largest root | 1.080 | 76.705a | 2.000 | 142.000 | .000 | .519 |  |  |

**3. Timing**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Estimates** | | | | |
| Measure: MEASURE\_1 | | | | |
| Timing | Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 1 | 35.699 | 1.117 | 33.492 | 37.906 |
| 2 | 45.861 | 1.251 | 43.389 | 48.333 |

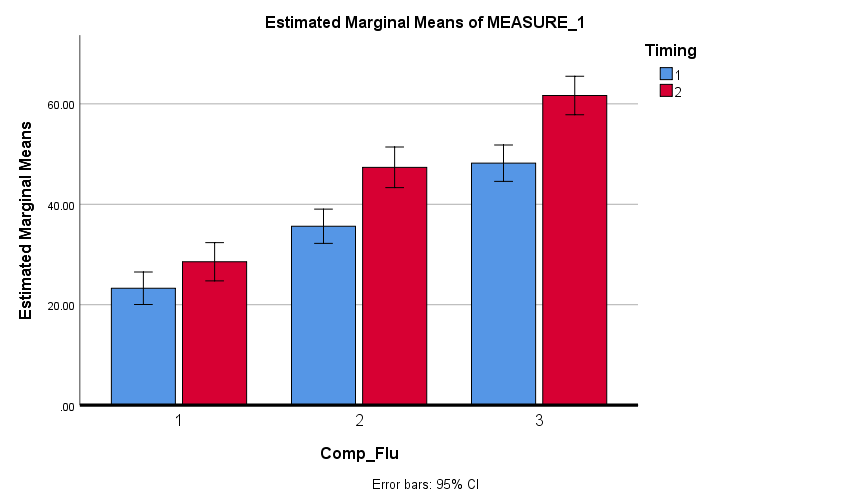
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pairwise Comparisons** | | | | | | |
| Measure: MEASURE\_1 | | | | | | |
| (I) Timing | (J) Timing | Mean Difference (I-J) | Std. Error | Sig.b | 95% Confidence Interval for Differenceb | |
| Lower Bound | Upper Bound |
| 1 | 2 | -10.162\* | .840 | .000 | -11.822 | -8.502 |
| 2 | 1 | 10.162\* | .840 | .000 | 8.502 | 11.822 |

|  |
| --- |
| Based on estimated marginal means |
| \*. The mean difference is significant at the .05 level. |
| b. Adjustment for multiple comparisons: Bonferroni. |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Tests** | | | | | | | | |
|  | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |  |  |
| Pillai's trace | .506 | 146.467a | 1.000 | 143.000 | .000 | .506 |  |  |
| Wilks' lambda | .494 | 146.467a | 1.000 | 143.000 | .000 | .506 |  |  |
| Hotelling's trace | 1.024 | 146.467a | 1.000 | 143.000 | .000 | .506 |  |  |
| Roy's largest root | 1.024 | 146.467a | 1.000 | 143.000 | .000 | .506 |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **4. Comp\_Flu \* Timing** | | | | | |
| Measure: MEASURE\_1 | | | | | |
| Comp\_Flu | Timing | Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 1 | 1 | 23.278 | 1.632 | 20.051 | 26.505 |
| 2 | 28.556 | 1.930 | 24.741 | 32.370 |
| 2 | 1 | 35.625 | 1.726 | 32.213 | 39.037 |
| 2 | 47.361 | 2.048 | 43.312 | 51.410 |
| 3 | 1 | 48.194 | 1.832 | 44.573 | 51.816 |
| 2 | 61.667 | 1.941 | 57.829 | 65.504 |

**Profile Plots**



GLM Complexity\_Initial\_LCLF Complexity\_Reflective\_LCLF Complexity\_Initial\_MCMF

Complexity\_Reflective\_MCMF Complexity\_Initial\_HCHF Complexity\_Reflective\_HCHF

/WSFACTOR=Comp\_Flu 3 Polynomial Timing 2 Polynomial

/METHOD=SSTYPE(3)

/PLOT=PROFILE(Comp\_Flu\*Timing) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO

/EMMEANS=TABLES(OVERALL)

/EMMEANS=TABLES(Comp\_Flu) COMPARE ADJ(BONFERRONI)

/EMMEANS=TABLES(Timing) COMPARE ADJ(BONFERRONI)

/EMMEANS=TABLES(Comp\_Flu\*Timing)

/PRINT=DESCRIPTIVE ETASQ OPOWER PARAMETER

/CRITERIA=ALPHA(.05)

/WSDESIGN=Comp\_Flu Timing Comp\_Flu\*Timing.

**General Linear Model**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 24-SEP-2019 21:29:49 |
| Comments | |  |
| Input | Data | E:\Master's by Research\Tammy's MSc Data - Study 2\Study\_2\_Self-Report\_Data.sav |
| Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 144 |
| 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 Complexity\_Initial\_LCLF Complexity\_Reflective\_LCLF Complexity\_Initial\_MCMF  Complexity\_Reflective\_MCMF Complexity\_Initial\_HCHF Complexity\_Reflective\_HCHF  /WSFACTOR=Comp\_Flu 3 Polynomial Timing 2 Polynomial  /METHOD=SSTYPE(3)  /PLOT=PROFILE(Comp\_Flu\*Timing) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO  /EMMEANS=TABLES(OVERALL)  /EMMEANS=TABLES(Comp\_Flu) COMPARE ADJ(BONFERRONI)  /EMMEANS=TABLES(Timing) COMPARE ADJ(BONFERRONI)  /EMMEANS=TABLES(Comp\_Flu\*Timing)  /PRINT=DESCRIPTIVE ETASQ OPOWER PARAMETER  /CRITERIA=ALPHA(.05)  /WSDESIGN=Comp\_Flu Timing Comp\_Flu\*Timing. |
| Resources | Processor Time | 00:00:00.77 |
| Elapsed Time | 00:00:00.35 |

|  |  |  |
| --- | --- | --- |
| **Within-Subjects Factors** | | |
| Measure: MEASURE\_1 | | |
| Comp\_Flu | Timing | Dependent Variable |
| 1 | 1 | Complexity\_Initial\_LCLF |
| 2 | Complexity\_Reflective\_LCLF |
| 2 | 1 | Complexity\_Initial\_MCMF |
| 2 | Complexity\_Reflective\_MCMF |
| 3 | 1 | Complexity\_Initial\_HCHF |
| 2 | Complexity\_Reflective\_HCHF |

|  |  |  |  |
| --- | --- | --- | --- |
| **Descriptive Statistics** | | | |
|  | Mean | Std. Deviation | N |
| Complexity\_Initial\_LCLF | 28.7500 | 21.83457 | 144 |
| Complexity\_Reflective\_LCLF | 34.5139 | 22.21415 | 144 |
| Complexity\_Initial\_MCMF | 44.5139 | 19.99405 | 144 |
| Complexity\_Reflective\_MCMF | 52.5000 | 20.32945 | 144 |
| Complexity\_Initial\_HCHF | 53.1250 | 20.87153 | 144 |
| Complexity\_Reflective\_HCHF | 64.3056 | 22.70679 | 144 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Testsa** | | | | | | | | | |
| Effect | | Value | F | Hypothesis df | Error df |  |  |  |  |
| Comp\_Flu | Pillai's Trace | .469 | 62.643b | 2.000 | 142.000 |  |  |  |  |
| Wilks' Lambda | .531 | 62.643b | 2.000 | 142.000 |  |  |  |  |
| Hotelling's Trace | .882 | 62.643b | 2.000 | 142.000 |  |  |  |  |
| Roy's Largest Root | .882 | 62.643b | 2.000 | 142.000 |  |  |  |  |
| Timing | Pillai's Trace | .360 | 80.293b | 1.000 | 143.000 |  |  |  |  |
| Wilks' Lambda | .640 | 80.293b | 1.000 | 143.000 |  |  |  |  |
| Hotelling's Trace | .561 | 80.293b | 1.000 | 143.000 |  |  |  |  |
| Roy's Largest Root | .561 | 80.293b | 1.000 | 143.000 |  |  |  |  |
| Comp\_Flu \* Timing | Pillai's Trace | .072 | 5.491b | 2.000 | 142.000 |  |  |  |  |
| Wilks' Lambda | .928 | 5.491b | 2.000 | 142.000 |  |  |  |  |
| Hotelling's Trace | .077 | 5.491b | 2.000 | 142.000 |  |  |  |  |
| Roy's Largest Root | .077 | 5.491b | 2.000 | 142.000 |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Mauchly's Test of Sphericitya** | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | |
| Within Subjects Effect | Mauchly's W | Approx. Chi-Square | df | Sig. | Epsilonb |  |  |
| Greenhouse-Geisser |  |  |
| Comp\_Flu | .928 | 10.634 | 2 | .005 | .933 |  |  |
| Timing | 1.000 | .000 | 0 | . | 1.000 |  |  |
| Comp\_Flu \* Timing | .999 | .194 | 2 | .907 | .999 |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Effects** | | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | | |
| Source | | Type III Sum of Squares | df | Mean Square |  |  |  |  |  |
| Comp\_Flu | Sphericity Assumed | 107758.333 | 2 | 53879.167 |  |  |  |  |  |
| Greenhouse-Geisser | 107758.333 | 1.865 | 57766.825 |  |  |  |  |  |
| Huynh-Feldt | 107758.333 | 1.889 | 57042.053 |  |  |  |  |  |
| Lower-bound | 107758.333 | 1.000 | 107758.333 |  |  |  |  |  |
| Error(Comp\_Flu) | Sphericity Assumed | 194908.333 | 286 | 681.498 |  |  |  |  |  |
| Greenhouse-Geisser | 194908.333 | 266.752 | 730.671 |  |  |  |  |  |
| Huynh-Feldt | 194908.333 | 270.142 | 721.504 |  |  |  |  |  |
| Lower-bound | 194908.333 | 143.000 | 1362.995 |  |  |  |  |  |
| Timing | Sphericity Assumed | 14916.782 | 1 | 14916.782 |  |  |  |  |  |
| Greenhouse-Geisser | 14916.782 | 1.000 | 14916.782 |  |  |  |  |  |
| Huynh-Feldt | 14916.782 | 1.000 | 14916.782 |  |  |  |  |  |
| Lower-bound | 14916.782 | 1.000 | 14916.782 |  |  |  |  |  |
| Error(Timing) | Sphericity Assumed | 26566.551 | 143 | 185.780 |  |  |  |  |  |
| Greenhouse-Geisser | 26566.551 | 143.000 | 185.780 |  |  |  |  |  |
| Huynh-Feldt | 26566.551 | 143.000 | 185.780 |  |  |  |  |  |
| Lower-bound | 26566.551 | 143.000 | 185.780 |  |  |  |  |  |
| Comp\_Flu \* Timing | Sphericity Assumed | 1067.593 | 2 | 533.796 |  |  |  |  |  |
| Greenhouse-Geisser | 1067.593 | 1.997 | 534.527 |  |  |  |  |  |
| Huynh-Feldt | 1067.593 | 2.000 | 533.796 |  |  |  |  |  |
| Lower-bound | 1067.593 | 1.000 | 1067.593 |  |  |  |  |  |
| Error(Comp\_Flu\*Timing) | Sphericity Assumed | 28399.074 | 286 | 99.297 |  |  |  |  |  |
| Greenhouse-Geisser | 28399.074 | 285.609 | 99.433 |  |  |  |  |  |
| Huynh-Feldt | 28399.074 | 286.000 | 99.297 |  |  |  |  |  |
| Lower-bound | 28399.074 | 143.000 | 198.595 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Contrasts** | | | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | | | |
| Source | Comp\_Flu | Timing | Type III Sum of Squares | df | Mean Square |  |  |  |  |  |
| Comp\_Flu | Linear |  | 105625.000 | 1 | 105625.000 |  |  |  |  |  |
| Quadratic |  | 2133.333 | 1 | 2133.333 |  |  |  |  |  |
| Error(Comp\_Flu) | Linear |  | 123625.000 | 143 | 864.510 |  |  |  |  |  |
| Quadratic |  | 71283.333 | 143 | 498.485 |  |  |  |  |  |
| Timing |  | Linear | 14916.782 | 1 | 14916.782 |  |  |  |  |  |
| Error(Timing) |  | Linear | 26566.551 | 143 | 185.780 |  |  |  |  |  |
| Comp\_Flu \* Timing | Linear | Linear | 1056.250 | 1 | 1056.250 |  |  |  |  |  |
| Quadratic | Linear | 11.343 | 1 | 11.343 |  |  |  |  |  |
| Error(Comp\_Flu\*Timing) | Linear | Linear | 13893.750 | 143 | 97.159 |  |  |  |  |  |
| Quadratic | Linear | 14505.324 | 143 | 101.436 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Between-Subjects Effects** | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | |
| Transformed Variable: Average | | | | | | | | |
| Source | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |  |  |
| Intercept | 1850926.042 | 1 | 1850926.042 | 1875.089 | .000 | .929 |  |  |
| Error | 141157.292 | 143 | 987.114 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter Estimates** | | | | | | | | | | |
| Dependent Variable | Parameter | B | Std. Error | t | Sig. |  |  |  |  |  |
|  |  |  |  |  |
| Complexity\_Initial\_LCLF | Intercept | 28.750 | 1.820 | 15.801 | .000 |  |  |  |  |  |
| Complexity\_Reflective\_LCLF | Intercept | 34.514 | 1.851 | 18.644 | .000 |  |  |  |  |  |
| Complexity\_Initial\_MCMF | Intercept | 44.514 | 1.666 | 26.716 | .000 |  |  |  |  |  |
| Complexity\_Reflective\_MCMF | Intercept | 52.500 | 1.694 | 30.990 | .000 |  |  |  |  |  |
| Complexity\_Initial\_HCHF | Intercept | 53.125 | 1.739 | 30.544 | .000 |  |  |  |  |  |
| Complexity\_Reflective\_HCHF | Intercept | 64.306 | 1.892 | 33.984 | .000 |  |  |  |  |  |

**Estimated Marginal Means**

|  |  |  |  |
| --- | --- | --- | --- |
| **1. Grand Mean** | | | |
| Measure: MEASURE\_1 | | | |
| Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 46.285 | 1.069 | 44.172 | 48.398 |

**2. Comp\_Flu**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Estimates** | | | | |
| Measure: MEASURE\_1 | | | | |
| Comp\_Flu | Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 1 | 31.632 | 1.725 | 28.222 | 35.042 |
| 2 | 48.507 | 1.521 | 45.500 | 51.514 |
| 3 | 58.715 | 1.694 | 55.367 | 62.064 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pairwise Comparisons** | | | | | | |
| Measure: MEASURE\_1 | | | | | | |
| (I) Comp\_Flu | (J) Comp\_Flu | Mean Difference (I-J) | Std. Error | Sig.b | 95% Confidence Interval for Differenceb |  |
| Lower Bound |  |
| 1 | 2 | -16.875\* | 2.030 | .000 | -21.794 |  |
| 3 | -27.083\* | 2.450 | .000 | -33.019 |  |
| 2 | 1 | 16.875\* | 2.030 | .000 | 11.956 |  |
| 3 | -10.208\* | 2.018 | .000 | -15.096 |  |
| 3 | 1 | 27.083\* | 2.450 | .000 | 21.148 |  |
| 2 | 10.208\* | 2.018 | .000 | 5.320 |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Tests** | | | | | | | | |
|  | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |  |  |
| Pillai's trace | .469 | 62.643a | 2.000 | 142.000 | .000 | .469 |  |  |
| Wilks' lambda | .531 | 62.643a | 2.000 | 142.000 | .000 | .469 |  |  |
| Hotelling's trace | .882 | 62.643a | 2.000 | 142.000 | .000 | .469 |  |  |
| Roy's largest root | .882 | 62.643a | 2.000 | 142.000 | .000 | .469 |  |  |

**3. Timing**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Estimates** | | | | |
| Measure: MEASURE\_1 | | | | |
| Timing | Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 1 | 42.130 | 1.112 | 39.931 | 44.328 |
| 2 | 50.440 | 1.216 | 48.037 | 52.843 |

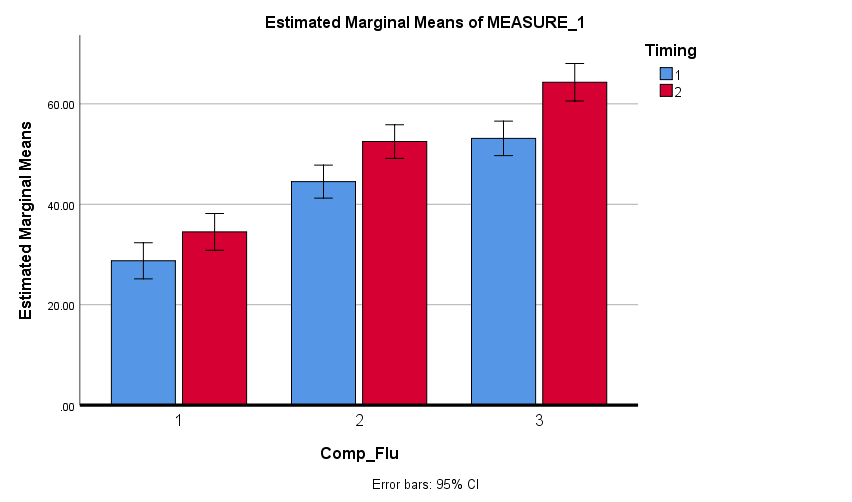
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pairwise Comparisons** | | | | | | |
| Measure: MEASURE\_1 | | | | | | |
| (I) Timing | (J) Timing | Mean Difference (I-J) | Std. Error | Sig.b | 95% Confidence Interval for Differenceb | |
| Lower Bound | Upper Bound |
| 1 | 2 | -8.310\* | .927 | .000 | -10.143 | -6.477 |
| 2 | 1 | 8.310\* | .927 | .000 | 6.477 | 10.143 |

|  |
| --- |
| Based on estimated marginal means |
| \*. The mean difference is significant at the .05 level. |
| b. Adjustment for multiple comparisons: Bonferroni. |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Tests** | | | | | | | | |
|  | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |  |  |
| Pillai's trace | .360 | 80.293a | 1.000 | 143.000 | .000 | .360 |  |  |
| Wilks' lambda | .640 | 80.293a | 1.000 | 143.000 | .000 | .360 |  |  |
| Hotelling's trace | .561 | 80.293a | 1.000 | 143.000 | .000 | .360 |  |  |
| Roy's largest root | .561 | 80.293a | 1.000 | 143.000 | .000 | .360 |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **4. Comp\_Flu \* Timing** | | | | | |
| Measure: MEASURE\_1 | | | | | |
| Comp\_Flu | Timing | Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 1 | 1 | 28.750 | 1.820 | 25.153 | 32.347 |
| 2 | 34.514 | 1.851 | 30.855 | 38.173 |
| 2 | 1 | 44.514 | 1.666 | 41.220 | 47.807 |
| 2 | 52.500 | 1.694 | 49.151 | 55.849 |
| 3 | 1 | 53.125 | 1.739 | 49.687 | 56.563 |
| 2 | 64.306 | 1.892 | 60.565 | 68.046 |

**Profile Plots**



GLM Flow\_LCLF Flow\_MCMF Flow\_HCHF

/WSFACTOR=Comp\_Flu 3 Polynomial

/METHOD=SSTYPE(3)

/PLOT=PROFILE(Comp\_Flu) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO

/EMMEANS=TABLES(OVERALL)

/EMMEANS=TABLES(Comp\_Flu) COMPARE ADJ(BONFERRONI)

/PRINT=DESCRIPTIVE ETASQ OPOWER PARAMETER

/CRITERIA=ALPHA(.05)

/WSDESIGN=Comp\_Flu.

**General Linear Model**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 24-SEP-2019 22:44:19 |
| Comments | |  |
| Input | Data | E:\Master's by Research\Tammy's MSc Data - Study 2\Study\_2\_Self-Report\_Data.sav |
| Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 144 |
| 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 Flow\_LCLF Flow\_MCMF Flow\_HCHF  /WSFACTOR=Comp\_Flu 3 Polynomial  /METHOD=SSTYPE(3)  /PLOT=PROFILE(Comp\_Flu) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO  /EMMEANS=TABLES(OVERALL)  /EMMEANS=TABLES(Comp\_Flu) COMPARE ADJ(BONFERRONI)  /PRINT=DESCRIPTIVE ETASQ OPOWER PARAMETER  /CRITERIA=ALPHA(.05)  /WSDESIGN=Comp\_Flu. |
| Resources | Processor Time | 00:00:00.44 |
| Elapsed Time | 00:00:00.36 |

|  |  |
| --- | --- |
| **Within-Subjects Factors** | |
| Measure: MEASURE\_1 | |
| Comp\_Flu | Dependent Variable |
| 1 | Flow\_LCLF |
| 2 | Flow\_MCMF |
| 3 | Flow\_HCHF |

|  |  |  |  |
| --- | --- | --- | --- |
| **Descriptive Statistics** | | | |
|  | Mean | Std. Deviation | N |
| Flow\_LCLF | 5.0764 | 2.22220 | 144 |
| Flow\_MCMF | 6.1875 | 2.40619 | 144 |
| Flow\_HCHF | 6.5972 | 2.24798 | 144 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Testsa** | | | | | | | | | |
| Effect | | Value | F | Hypothesis df | Error df | Sig. |  |  |  |
| Comp\_Flu | Pillai's Trace | .404 | 48.073b | 2.000 | 142.000 | .000 |  |  |  |
| Wilks' Lambda | .596 | 48.073b | 2.000 | 142.000 | .000 |  |  |  |
| Hotelling's Trace | .677 | 48.073b | 2.000 | 142.000 | .000 |  |  |  |
| Roy's Largest Root | .677 | 48.073b | 2.000 | 142.000 | .000 |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Mauchly's Test of Sphericitya** | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | |
| Within Subjects Effect | Mauchly's W | Approx. Chi-Square | df | Sig. | Epsilonb |  |  |
| Greenhouse-Geisser |  |  |
| Comp\_Flu | .995 | .657 | 2 | .720 | .995 |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Effects** | | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | | |
| Source | | Type III Sum of Squares | df | Mean Square | F |  |  |  |  |
| Comp\_Flu | Sphericity Assumed | 178.338 | 2 | 89.169 | 45.191 |  |  |  |  |
| Greenhouse-Geisser | 178.338 | 1.991 | 89.580 | 45.191 |  |  |  |  |
| Huynh-Feldt | 178.338 | 2.000 | 89.169 | 45.191 |  |  |  |  |
| Lower-bound | 178.338 | 1.000 | 178.338 | 45.191 |  |  |  |  |
| Error(Comp\_Flu) | Sphericity Assumed | 564.329 | 286 | 1.973 |  |  |  |  |  |
| Greenhouse-Geisser | 564.329 | 284.687 | 1.982 |  |  |  |  |  |
| Huynh-Feldt | 564.329 | 286.000 | 1.973 |  |  |  |  |  |
| Lower-bound | 564.329 | 143.000 | 3.946 |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Contrasts** | | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | | |
| Source | Comp\_Flu | Type III Sum of Squares | df | Mean Square | F | Sig. |  |  |  |
| Comp\_Flu | Linear | 166.531 | 1 | 166.531 | 88.868 | .000 |  |  |  |
| Quadratic | 11.807 | 1 | 11.807 | 5.697 | .018 |  |  |  |
| Error(Comp\_Flu) | Linear | 267.969 | 143 | 1.874 |  |  |  |  |  |
| Quadratic | 296.360 | 143 | 2.072 |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Between-Subjects Effects** | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | |
| Transformed Variable: Average | | | | | | | | |
| Source | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |  |  |
| Intercept | 15312.926 | 1 | 15312.926 | 1293.866 | .000 | .900 |  |  |
| Error | 1692.407 | 143 | 11.835 |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter Estimates** | | | | | | | | | | |
| Dependent Variable | Parameter | B | Std. Error | t | Sig. | 95% Confidence Interval |  |  |  |  |
| Lower Bound |  |  |  |  |
| Flow\_LCLF | Intercept | 5.076 | .185 | 27.413 | .000 | 4.710 |  |  |  |  |
| Flow\_MCMF | Intercept | 6.188 | .201 | 30.858 | .000 | 5.791 |  |  |  |  |
| Flow\_HCHF | Intercept | 6.597 | .187 | 35.217 | .000 | 6.227 |  |  |  |  |

**Estimated Marginal Means**

|  |  |  |  |
| --- | --- | --- | --- |
| **1. Grand Mean** | | | |
| Measure: MEASURE\_1 | | | |
| Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 5.954 | .166 | 5.627 | 6.281 |

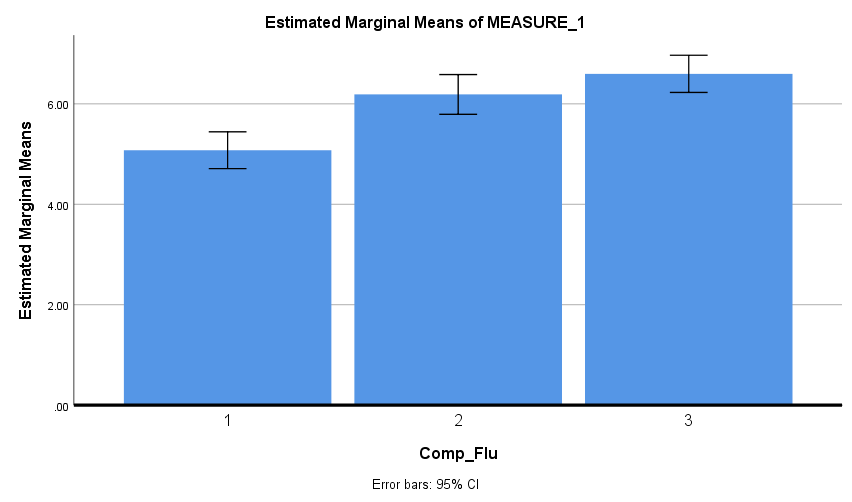
**2. Comp\_Flu**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Estimates** | | | | |
| Measure: MEASURE\_1 | | | | |
| Comp\_Flu | Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 1 | 5.076 | .185 | 4.710 | 5.442 |
| 2 | 6.188 | .201 | 5.791 | 6.584 |
| 3 | 6.597 | .187 | 6.227 | 6.968 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pairwise Comparisons** | | | | | | |
| Measure: MEASURE\_1 | | | | | | |
| (I) Comp\_Flu | (J) Comp\_Flu | Mean Difference (I-J) | Std. Error | Sig.b | 95% Confidence Interval for Differenceb |  |
| Lower Bound |  |
| 1 | 2 | -1.111\* | .164 | .000 | -1.509 |  |
| 3 | -1.521\* | .161 | .000 | -1.912 |  |
| 2 | 1 | 1.111\* | .164 | .000 | .713 |  |
| 3 | -.410 | .171 | .053 | -.824 |  |
| 3 | 1 | 1.521\* | .161 | .000 | 1.130 |  |
| 2 | .410 | .171 | .053 | -.004 |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Tests** | | | | | | | | |
|  | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |  |  |
| Pillai's trace | .404 | 48.073a | 2.000 | 142.000 | .000 | .404 |  |  |
| Wilks' lambda | .596 | 48.073a | 2.000 | 142.000 | .000 | .404 |  |  |
| Hotelling's trace | .677 | 48.073a | 2.000 | 142.000 | .000 | .404 |  |  |
| Roy's largest root | .677 | 48.073a | 2.000 | 142.000 | .000 | .404 |  |  |

**Profile Plots**



GLM Concentration\_LCLF Concentration\_MCMF Concentration\_HCHF

/WSFACTOR=Comp\_Flu 3 Polynomial

/METHOD=SSTYPE(3)

/PLOT=PROFILE(Comp\_Flu) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO

/EMMEANS=TABLES(OVERALL)

/EMMEANS=TABLES(Comp\_Flu) COMPARE ADJ(BONFERRONI)

/PRINT=DESCRIPTIVE ETASQ OPOWER PARAMETER

/CRITERIA=ALPHA(.05)

/WSDESIGN=Comp\_Flu.

**General Linear Model**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 24-SEP-2019 22:45:09 |
| Comments | |  |
| Input | Data | E:\Master's by Research\Tammy's MSc Data - Study 2\Study\_2\_Self-Report\_Data.sav |
| Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 144 |
| 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 Concentration\_LCLF Concentration\_MCMF Concentration\_HCHF  /WSFACTOR=Comp\_Flu 3 Polynomial  /METHOD=SSTYPE(3)  /PLOT=PROFILE(Comp\_Flu) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO  /EMMEANS=TABLES(OVERALL)  /EMMEANS=TABLES(Comp\_Flu) COMPARE ADJ(BONFERRONI)  /PRINT=DESCRIPTIVE ETASQ OPOWER PARAMETER  /CRITERIA=ALPHA(.05)  /WSDESIGN=Comp\_Flu. |
| Resources | Processor Time | 00:00:00.41 |
| Elapsed Time | 00:00:00.28 |

|  |  |
| --- | --- |
| **Within-Subjects Factors** | |
| Measure: MEASURE\_1 | |
| Comp\_Flu | Dependent Variable |
| 1 | Concentration\_LCLF |
| 2 | Concentration\_MCMF |
| 3 | Concentration\_HCHF |

|  |  |  |  |
| --- | --- | --- | --- |
| **Descriptive Statistics** | | | |
|  | Mean | Std. Deviation | N |
| Concentration\_LCLF | 6.2778 | 1.92315 | 144 |
| Concentration\_MCMF | 7.3819 | 1.76206 | 144 |
| Concentration\_HCHF | 7.5625 | 1.90589 | 144 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Testsa** | | | | | | | | | |
| Effect | | Value | F | Hypothesis df | Error df | Sig. |  |  |  |
| Comp\_Flu | Pillai's Trace | .294 | 29.525b | 2.000 | 142.000 | .000 |  |  |  |
| Wilks' Lambda | .706 | 29.525b | 2.000 | 142.000 | .000 |  |  |  |
| Hotelling's Trace | .416 | 29.525b | 2.000 | 142.000 | .000 |  |  |  |
| Roy's Largest Root | .416 | 29.525b | 2.000 | 142.000 | .000 |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Mauchly's Test of Sphericitya** | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | |
| Within Subjects Effect | Mauchly's W | Approx. Chi-Square | df | Sig. | Epsilonb |  |  |
| Greenhouse-Geisser |  |  |
| Comp\_Flu | .967 | 4.833 | 2 | .089 | .968 |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Effects** | | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | | |
| Source | | Type III Sum of Squares | df | Mean Square | F |  |  |  |  |
| Comp\_Flu | Sphericity Assumed | 139.310 | 2 | 69.655 | 34.989 |  |  |  |  |
| Greenhouse-Geisser | 139.310 | 1.935 | 71.986 | 34.989 |  |  |  |  |
| Huynh-Feldt | 139.310 | 1.961 | 71.028 | 34.989 |  |  |  |  |
| Lower-bound | 139.310 | 1.000 | 139.310 | 34.989 |  |  |  |  |
| Error(Comp\_Flu) | Sphericity Assumed | 569.356 | 286 | 1.991 |  |  |  |  |  |
| Greenhouse-Geisser | 569.356 | 276.740 | 2.057 |  |  |  |  |  |
| Huynh-Feldt | 569.356 | 280.471 | 2.030 |  |  |  |  |  |
| Lower-bound | 569.356 | 143.000 | 3.982 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Contrasts** | | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | | |
| Source | Comp\_Flu | Type III Sum of Squares | df | Mean Square | F | Sig. |  |  |  |
| Comp\_Flu | Linear | 118.837 | 1 | 118.837 | 54.351 | .000 |  |  |  |
| Quadratic | 20.473 | 1 | 20.473 | 11.405 | .001 |  |  |  |
| Error(Comp\_Flu) | Linear | 312.663 | 143 | 2.186 |  |  |  |  |  |
| Quadratic | 256.693 | 143 | 1.795 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Between-Subjects Effects** | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | |
| Transformed Variable: Average | | | | | | | | |
| Source | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |  |  |
| Intercept | 21618.370 | 1 | 21618.370 | 3349.459 | .000 | .959 |  |  |
| Error | 922.963 | 143 | 6.454 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter Estimates** | | | | | | | | | | |
| Dependent Variable | Parameter | B | Std. Error | t | Sig. | 95% Confidence Interval |  |  |  |  |
| Lower Bound |  |  |  |  |
| Concentration\_LCLF | Intercept | 6.278 | .160 | 39.172 | .000 | 5.961 |  |  |  |  |
| Concentration\_MCMF | Intercept | 7.382 | .147 | 50.273 | .000 | 7.092 |  |  |  |  |
| Concentration\_HCHF | Intercept | 7.563 | .159 | 47.615 | .000 | 7.249 |  |  |  |  |

**Estimated Marginal Means**

|  |  |  |  |
| --- | --- | --- | --- |
| **1. Grand Mean** | | | |
| Measure: MEASURE\_1 | | | |
| Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 7.074 | .122 | 6.832 | 7.316 |

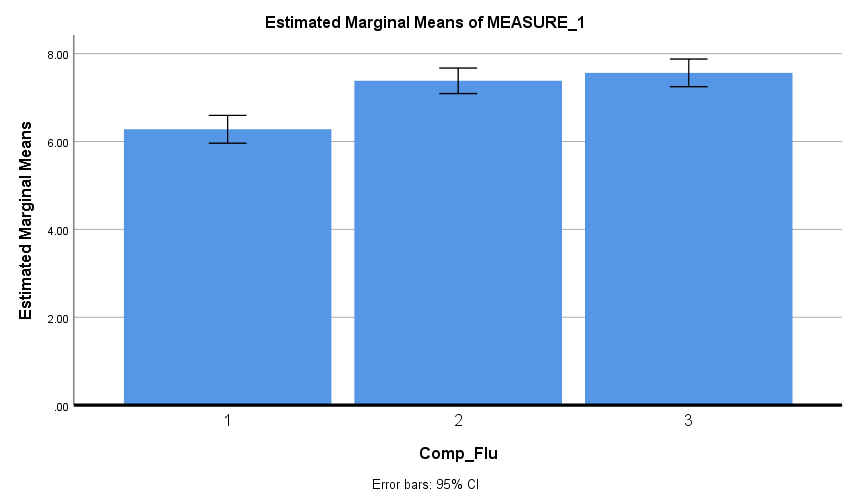
**2. Comp\_Flu**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Estimates** | | | | |
| Measure: MEASURE\_1 | | | | |
| Comp\_Flu | Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 1 | 6.278 | .160 | 5.961 | 6.595 |
| 2 | 7.382 | .147 | 7.092 | 7.672 |
| 3 | 7.563 | .159 | 7.249 | 7.876 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pairwise Comparisons** | | | | | | |
| Measure: MEASURE\_1 | | | | | | |
| (I) Comp\_Flu | (J) Comp\_Flu | Mean Difference (I-J) | Std. Error | Sig.b | 95% Confidence Interval for Differenceb |  |
| Lower Bound |  |
| 1 | 2 | -1.104\* | .173 | .000 | -1.524 |  |
| 3 | -1.285\* | .174 | .000 | -1.707 |  |
| 2 | 1 | 1.104\* | .173 | .000 | .685 |  |
| 3 | -.181 | .150 | .695 | -.545 |  |
| 3 | 1 | 1.285\* | .174 | .000 | .863 |  |
| 2 | .181 | .150 | .695 | -.184 |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Tests** | | | | | | | | |
|  | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |  |  |
| Pillai's trace | .294 | 29.525a | 2.000 | 142.000 | .000 | .294 |  |  |
| Wilks' lambda | .706 | 29.525a | 2.000 | 142.000 | .000 | .294 |  |  |
| Hotelling's trace | .416 | 29.525a | 2.000 | 142.000 | .000 | .294 |  |  |
| Roy's largest root | .416 | 29.525a | 2.000 | 142.000 | .000 | .294 |  |  |

**Profile Plots**



GLM Time\_Distortion\_LCLF Time\_Distortion\_MCMF Time\_Distortion\_HCHF

/WSFACTOR=Comp\_Flu 3 Polynomial

/METHOD=SSTYPE(3)

/PLOT=PROFILE(Comp\_Flu) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO

/EMMEANS=TABLES(OVERALL)

/EMMEANS=TABLES(Comp\_Flu) COMPARE ADJ(BONFERRONI)

/PRINT=DESCRIPTIVE ETASQ OPOWER PARAMETER

/CRITERIA=ALPHA(.05)

/WSDESIGN=Comp\_Flu.

**General Linear Model**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 24-SEP-2019 22:46:10 |
| Comments | |  |
| Input | Data | E:\Master's by Research\Tammy's MSc Data - Study 2\Study\_2\_Self-Report\_Data.sav |
| Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 144 |
| 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 Time\_Distortion\_LCLF Time\_Distortion\_MCMF Time\_Distortion\_HCHF  /WSFACTOR=Comp\_Flu 3 Polynomial  /METHOD=SSTYPE(3)  /PLOT=PROFILE(Comp\_Flu) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO  /EMMEANS=TABLES(OVERALL)  /EMMEANS=TABLES(Comp\_Flu) COMPARE ADJ(BONFERRONI)  /PRINT=DESCRIPTIVE ETASQ OPOWER PARAMETER  /CRITERIA=ALPHA(.05)  /WSDESIGN=Comp\_Flu. |
| Resources | Processor Time | 00:00:00.28 |
| Elapsed Time | 00:00:00.22 |

|  |  |
| --- | --- |
| **Within-Subjects Factors** | |
| Measure: MEASURE\_1 | |
| Comp\_Flu | Dependent Variable |
| 1 | Time\_Distortion\_LCLF |
| 2 | Time\_Distortion\_MCMF |
| 3 | Time\_Distortion\_HCHF |

|  |  |  |  |
| --- | --- | --- | --- |
| **Descriptive Statistics** | | | |
|  | Mean | Std. Deviation | N |
| Time\_Distortion\_LCLF | 4.4722 | 2.82582 | 144 |
| Time\_Distortion\_MCMF | 5.4097 | 2.90506 | 144 |
| Time\_Distortion\_HCHF | 6.2500 | 2.90767 | 144 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Testsa** | | | | | | | | | |
| Effect | | Value | F | Hypothesis df | Error df | Sig. |  |  |  |
| Comp\_Flu | Pillai's Trace | .274 | 26.768b | 2.000 | 142.000 | .000 |  |  |  |
| Wilks' Lambda | .726 | 26.768b | 2.000 | 142.000 | .000 |  |  |  |
| Hotelling's Trace | .377 | 26.768b | 2.000 | 142.000 | .000 |  |  |  |
| Roy's Largest Root | .377 | 26.768b | 2.000 | 142.000 | .000 |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Mauchly's Test of Sphericitya** | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | |
| Within Subjects Effect | Mauchly's W | Approx. Chi-Square | df | Sig. | Epsilonb |  |  |
| Greenhouse-Geisser |  |  |
| Comp\_Flu | .985 | 2.092 | 2 | .351 | .986 |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Effects** | | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | | |
| Source | | Type III Sum of Squares | df | Mean Square | F |  |  |  |  |
| Comp\_Flu | Sphericity Assumed | 227.782 | 2 | 113.891 | 29.095 |  |  |  |  |
| Greenhouse-Geisser | 227.782 | 1.971 | 115.557 | 29.095 |  |  |  |  |
| Huynh-Feldt | 227.782 | 1.999 | 113.976 | 29.095 |  |  |  |  |
| Lower-bound | 227.782 | 1.000 | 227.782 | 29.095 |  |  |  |  |
| Error(Comp\_Flu) | Sphericity Assumed | 1119.551 | 286 | 3.915 |  |  |  |  |  |
| Greenhouse-Geisser | 1119.551 | 281.877 | 3.972 |  |  |  |  |  |
| Huynh-Feldt | 1119.551 | 285.788 | 3.917 |  |  |  |  |  |
| Lower-bound | 1119.551 | 143.000 | 7.829 |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Contrasts** | | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | | |
| Source | Comp\_Flu | Type III Sum of Squares | df | Mean Square | F | Sig. |  |  |  |
| Comp\_Flu | Linear | 227.556 | 1 | 227.556 | 53.746 | .000 |  |  |  |
| Quadratic | .227 | 1 | .227 | .063 | .802 |  |  |  |
| Error(Comp\_Flu) | Linear | 605.444 | 143 | 4.234 |  |  |  |  |  |
| Quadratic | 514.106 | 143 | 3.595 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Between-Subjects Effects** | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | |
| Transformed Variable: Average | | | | | | | | |
| Source | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |  |  |
| Intercept | 12491.502 | 1 | 12491.502 | 732.635 | .000 | .837 |  |  |
| Error | 2438.164 | 143 | 17.050 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter Estimates** | | | | | | | | | | |
| Dependent Variable | Parameter | B | Std. Error | t | Sig. | 95% Confidence Interval |  |  |  |  |
| Lower Bound |  |  |  |  |
| Time\_Distortion\_LCLF | Intercept | 4.472 | .235 | 18.992 | .000 | 4.007 |  |  |  |  |
| Time\_Distortion\_MCMF | Intercept | 5.410 | .242 | 22.346 | .000 | 4.931 |  |  |  |  |
| Time\_Distortion\_HCHF | Intercept | 6.250 | .242 | 25.794 | .000 | 5.771 |  |  |  |  |

**Estimated Marginal Means**

|  |  |  |  |
| --- | --- | --- | --- |
| **1. Grand Mean** | | | |
| Measure: MEASURE\_1 | | | |
| Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 5.377 | .199 | 4.985 | 5.770 |

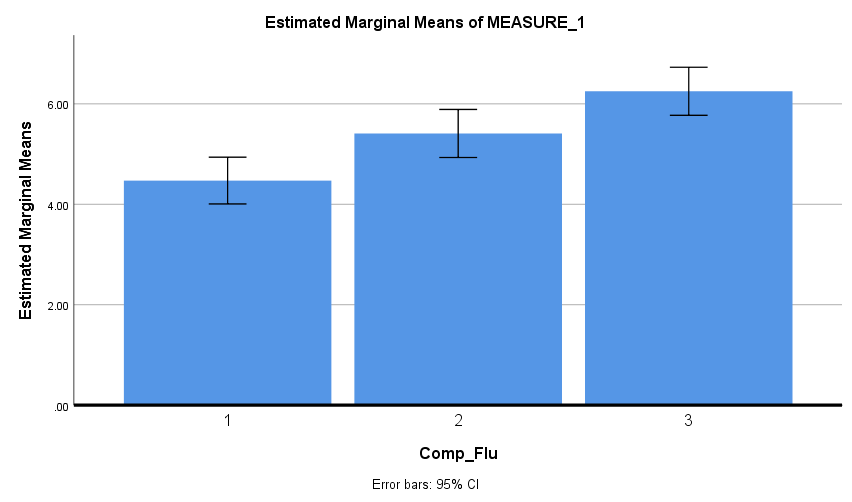
**2. Comp\_Flu**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Estimates** | | | | |
| Measure: MEASURE\_1 | | | | |
| Comp\_Flu | Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 1 | 4.472 | .235 | 4.007 | 4.938 |
| 2 | 5.410 | .242 | 4.931 | 5.888 |
| 3 | 6.250 | .242 | 5.771 | 6.729 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pairwise Comparisons** | | | | | | |
| Measure: MEASURE\_1 | | | | | | |
| (I) Comp\_Flu | (J) Comp\_Flu | Mean Difference (I-J) | Std. Error | Sig.b | 95% Confidence Interval for Differenceb |  |
| Lower Bound |  |
| 1 | 2 | -.937\* | .237 | .000 | -1.513 |  |
| 3 | -1.778\* | .242 | .000 | -2.365 |  |
| 2 | 1 | .938\* | .237 | .000 | .362 |  |
| 3 | -.840\* | .219 | .001 | -1.371 |  |
| 3 | 1 | 1.778\* | .242 | .000 | 1.190 |  |
| 2 | .840\* | .219 | .001 | .310 |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Tests** | | | | | | | | |
|  | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |  |  |
| Pillai's trace | .274 | 26.768a | 2.000 | 142.000 | .000 | .274 |  |  |
| Wilks' lambda | .726 | 26.768a | 2.000 | 142.000 | .000 | .274 |  |  |
| Hotelling's trace | .377 | 26.768a | 2.000 | 142.000 | .000 | .274 |  |  |
| Roy's largest root | .377 | 26.768a | 2.000 | 142.000 | .000 | .274 |  |  |

**Profile Plots**



GLM Activation\_LCLF Activation\_MCMF Activation\_HCHF

/WSFACTOR=Comp\_Flu 3 Polynomial

/METHOD=SSTYPE(3)

/PLOT=PROFILE(Comp\_Flu) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO

/EMMEANS=TABLES(OVERALL)

/EMMEANS=TABLES(Comp\_Flu) COMPARE ADJ(BONFERRONI)

/PRINT=DESCRIPTIVE ETASQ OPOWER PARAMETER

/CRITERIA=ALPHA(.05)

/WSDESIGN=Comp\_Flu.

**General Linear Model**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 24-SEP-2019 22:46:58 |
| Comments | |  |
| Input | Data | E:\Master's by Research\Tammy's MSc Data - Study 2\Study\_2\_Self-Report\_Data.sav |
| Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 144 |
| 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 Activation\_LCLF Activation\_MCMF Activation\_HCHF  /WSFACTOR=Comp\_Flu 3 Polynomial  /METHOD=SSTYPE(3)  /PLOT=PROFILE(Comp\_Flu) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO  /EMMEANS=TABLES(OVERALL)  /EMMEANS=TABLES(Comp\_Flu) COMPARE ADJ(BONFERRONI)  /PRINT=DESCRIPTIVE ETASQ OPOWER PARAMETER  /CRITERIA=ALPHA(.05)  /WSDESIGN=Comp\_Flu. |
| Resources | Processor Time | 00:00:00.23 |
| Elapsed Time | 00:00:00.20 |

|  |  |
| --- | --- |
| **Within-Subjects Factors** | |
| Measure: MEASURE\_1 | |
| Comp\_Flu | Dependent Variable |
| 1 | Activation\_LCLF |
| 2 | Activation\_MCMF |
| 3 | Activation\_HCHF |

|  |  |  |  |
| --- | --- | --- | --- |
| **Descriptive Statistics** | | | |
|  | Mean | Std. Deviation | N |
| Activation\_LCLF | 5.6042 | 1.88561 | 144 |
| Activation\_MCMF | 6.4306 | 1.53127 | 144 |
| Activation\_HCHF | 6.5694 | 1.78828 | 144 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Testsa** | | | | | | | | | |
| Effect | | Value | F | Hypothesis df | Error df | Sig. |  |  |  |
| Comp\_Flu | Pillai's Trace | .201 | 17.843b | 2.000 | 142.000 | .000 |  |  |  |
| Wilks' Lambda | .799 | 17.843b | 2.000 | 142.000 | .000 |  |  |  |
| Hotelling's Trace | .251 | 17.843b | 2.000 | 142.000 | .000 |  |  |  |
| Roy's Largest Root | .251 | 17.843b | 2.000 | 142.000 | .000 |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Mauchly's Test of Sphericitya** | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | |
| Within Subjects Effect | Mauchly's W | Approx. Chi-Square | df | Sig. | Epsilonb |  |  |
| Greenhouse-Geisser |  |  |
| Comp\_Flu | .970 | 4.349 | 2 | .114 | .971 |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Effects** | | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | | |
| Source | | Type III Sum of Squares | df | Mean Square | F |  |  |  |  |
| Comp\_Flu | Sphericity Assumed | 78.431 | 2 | 39.215 | 20.309 |  |  |  |  |
| Greenhouse-Geisser | 78.431 | 1.941 | 40.398 | 20.309 |  |  |  |  |
| Huynh-Feldt | 78.431 | 1.968 | 39.858 | 20.309 |  |  |  |  |
| Lower-bound | 78.431 | 1.000 | 78.431 | 20.309 |  |  |  |  |
| Error(Comp\_Flu) | Sphericity Assumed | 552.236 | 286 | 1.931 |  |  |  |  |  |
| Greenhouse-Geisser | 552.236 | 277.626 | 1.989 |  |  |  |  |  |
| Huynh-Feldt | 552.236 | 281.388 | 1.963 |  |  |  |  |  |
| Lower-bound | 552.236 | 143.000 | 3.862 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Contrasts** | | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | | |
| Source | Comp\_Flu | Type III Sum of Squares | df | Mean Square | F | Sig. |  |  |  |
| Comp\_Flu | Linear | 67.087 | 1 | 67.087 | 29.663 | .000 |  |  |  |
| Quadratic | 11.344 | 1 | 11.344 | 7.089 | .009 |  |  |  |
| Error(Comp\_Flu) | Linear | 323.413 | 143 | 2.262 |  |  |  |  |  |
| Quadratic | 228.823 | 143 | 1.600 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Between-Subjects Effects** | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | |
| Transformed Variable: Average | | | | | | | | |
| Source | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |  |  |
| Intercept | 16613.521 | 1 | 16613.521 | 3172.668 | .000 | .957 |  |  |
| Error | 748.812 | 143 | 5.236 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter Estimates** | | | | | | | | | | |
| Dependent Variable | Parameter | B | Std. Error | t | Sig. | 95% Confidence Interval |  |  |  |  |
| Lower Bound |  |  |  |  |
| Activation\_LCLF | Intercept | 5.604 | .157 | 35.665 | .000 | 5.294 |  |  |  |  |
| Activation\_MCMF | Intercept | 6.431 | .128 | 50.394 | .000 | 6.178 |  |  |  |  |
| Activation\_HCHF | Intercept | 6.569 | .149 | 44.083 | .000 | 6.275 |  |  |  |  |

**Estimated Marginal Means**

|  |  |  |  |
| --- | --- | --- | --- |
| **1. Grand Mean** | | | |
| Measure: MEASURE\_1 | | | |
| Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 6.201 | .110 | 5.984 | 6.419 |

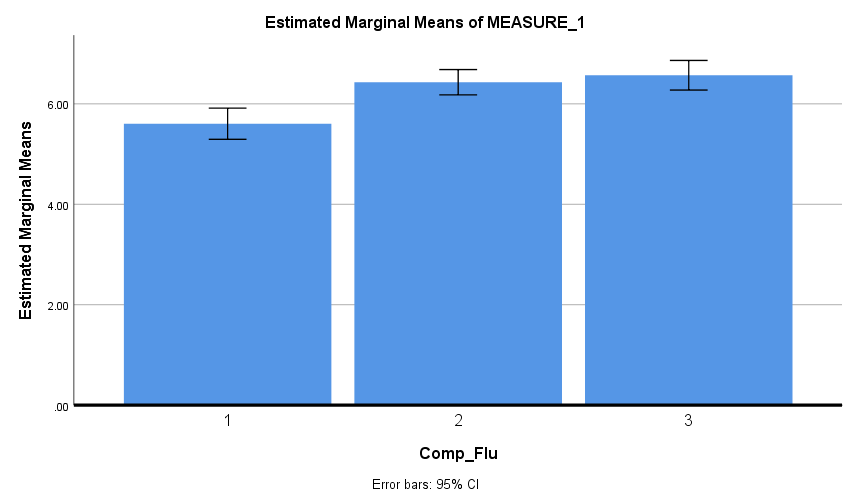
**2. Comp\_Flu**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Estimates** | | | | |
| Measure: MEASURE\_1 | | | | |
| Comp\_Flu | Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 1 | 5.604 | .157 | 5.294 | 5.915 |
| 2 | 6.431 | .128 | 6.178 | 6.683 |
| 3 | 6.569 | .149 | 6.275 | 6.864 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pairwise Comparisons** | | | | | | |
| Measure: MEASURE\_1 | | | | | | |
| (I) Comp\_Flu | (J) Comp\_Flu | Mean Difference (I-J) | Std. Error | Sig.b | 95% Confidence Interval for Differenceb |  |
| Lower Bound |  |
| 1 | 2 | -.826\* | .159 | .000 | -1.211 |  |
| 3 | -.965\* | .177 | .000 | -1.395 |  |
| 2 | 1 | .826\* | .159 | .000 | .442 |  |
| 3 | -.139 | .154 | 1.000 | -.513 |  |
| 3 | 1 | .965\* | .177 | .000 | .536 |  |
| 2 | .139 | .154 | 1.000 | -.235 |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Tests** | | | | | | | | |
|  | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |  |  |
| Pillai's trace | .201 | 17.843a | 2.000 | 142.000 | .000 | .201 |  |  |
| Wilks' lambda | .799 | 17.843a | 2.000 | 142.000 | .000 | .201 |  |  |
| Hotelling's trace | .251 | 17.843a | 2.000 | 142.000 | .000 | .201 |  |  |
| Roy's largest root | .251 | 17.843a | 2.000 | 142.000 | .000 | .201 |  |  |

**Profile Plots**



GLM Pleasantness\_LCLF Pleasantness\_MCMF Pleasantness\_HCHF

/WSFACTOR=Comp\_Flu 3 Polynomial

/METHOD=SSTYPE(3)

/PLOT=PROFILE(Comp\_Flu) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO

/EMMEANS=TABLES(OVERALL)

/EMMEANS=TABLES(Comp\_Flu) COMPARE ADJ(BONFERRONI)

/PRINT=DESCRIPTIVE ETASQ OPOWER PARAMETER

/CRITERIA=ALPHA(.05)

/WSDESIGN=Comp\_Flu.

**General Linear Model**

|  |  |  |
| --- | --- | --- |
| **Notes** | | |
| Output Created | | 24-SEP-2019 22:47:35 |
| Comments | |  |
| Input | Data | E:\Master's by Research\Tammy's MSc Data - Study 2\Study\_2\_Self-Report\_Data.sav |
| Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 144 |
| 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 Pleasantness\_LCLF Pleasantness\_MCMF Pleasantness\_HCHF  /WSFACTOR=Comp\_Flu 3 Polynomial  /METHOD=SSTYPE(3)  /PLOT=PROFILE(Comp\_Flu) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO  /EMMEANS=TABLES(OVERALL)  /EMMEANS=TABLES(Comp\_Flu) COMPARE ADJ(BONFERRONI)  /PRINT=DESCRIPTIVE ETASQ OPOWER PARAMETER  /CRITERIA=ALPHA(.05)  /WSDESIGN=Comp\_Flu. |
| Resources | Processor Time | 00:00:00.27 |
| Elapsed Time | 00:00:00.19 |

|  |  |
| --- | --- |
| **Within-Subjects Factors** | |
| Measure: MEASURE\_1 | |
| Comp\_Flu | Dependent Variable |
| 1 | Pleasantness\_LCLF |
| 2 | Pleasantness\_MCMF |
| 3 | Pleasantness\_HCHF |

|  |  |  |  |
| --- | --- | --- | --- |
| **Descriptive Statistics** | | | |
|  | Mean | Std. Deviation | N |
| Pleasantness\_LCLF | 4.7222 | 2.13018 | 144 |
| Pleasantness\_MCMF | 5.8750 | 2.01350 | 144 |
| Pleasantness\_HCHF | 6.8681 | 1.63119 | 144 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Testsa** | | | | | | | | | |
| Effect | | Value | F | Hypothesis df | Error df | Sig. |  |  |  |
| Comp\_Flu | Pillai's Trace | .381 | 43.638b | 2.000 | 142.000 | .000 |  |  |  |
| Wilks' Lambda | .619 | 43.638b | 2.000 | 142.000 | .000 |  |  |  |
| Hotelling's Trace | .615 | 43.638b | 2.000 | 142.000 | .000 |  |  |  |
| Roy's Largest Root | .615 | 43.638b | 2.000 | 142.000 | .000 |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Mauchly's Test of Sphericitya** | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | |
| Within Subjects Effect | Mauchly's W | Approx. Chi-Square | df | Sig. | Epsilonb |  |  |
| Greenhouse-Geisser |  |  |
| Comp\_Flu | .956 | 6.405 | 2 | .041 | .958 |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Effects** | | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | | |
| Source | | Type III Sum of Squares | df | Mean Square | F |  |  |  |  |
| Comp\_Flu | Sphericity Assumed | 332.144 | 2 | 166.072 | 52.471 |  |  |  |  |
| Greenhouse-Geisser | 332.144 | 1.916 | 173.397 | 52.471 |  |  |  |  |
| Huynh-Feldt | 332.144 | 1.941 | 171.127 | 52.471 |  |  |  |  |
| Lower-bound | 332.144 | 1.000 | 332.144 | 52.471 |  |  |  |  |
| Error(Comp\_Flu) | Sphericity Assumed | 905.190 | 286 | 3.165 |  |  |  |  |  |
| Greenhouse-Geisser | 905.190 | 273.918 | 3.305 |  |  |  |  |  |
| Huynh-Feldt | 905.190 | 277.552 | 3.261 |  |  |  |  |  |
| Lower-bound | 905.190 | 143.000 | 6.330 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Within-Subjects Contrasts** | | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | | |
| Source | Comp\_Flu | Type III Sum of Squares | df | Mean Square | F | Sig. |  |  |  |
| Comp\_Flu | Linear | 331.531 | 1 | 331.531 | 87.799 | .000 |  |  |  |
| Quadratic | .612 | 1 | .612 | .240 | .625 |  |  |  |
| Error(Comp\_Flu) | Linear | 539.969 | 143 | 3.776 |  |  |  |  |  |
| Quadratic | 365.221 | 143 | 2.554 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Between-Subjects Effects** | | | | | | | | |
| Measure: MEASURE\_1 | | | | | | | | |
| Transformed Variable: Average | | | | | | | | |
| Source | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |  |  |
| Intercept | 14641.725 | 1 | 14641.725 | 2974.345 | .000 | .954 |  |  |
| Error | 703.942 | 143 | 4.923 |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter Estimates** | | | | | | | | | | |
| Dependent Variable | Parameter | B | Std. Error | t | Sig. | 95% Confidence Interval |  |  |  |  |
| Lower Bound |  |  |  |  |
| Pleasantness\_LCLF | Intercept | 4.722 | .178 | 26.602 | .000 | 4.371 |  |  |  |  |
| Pleasantness\_MCMF | Intercept | 5.875 | .168 | 35.014 | .000 | 5.543 |  |  |  |  |
| Pleasantness\_HCHF | Intercept | 6.868 | .136 | 50.525 | .000 | 6.599 |  |  |  |  |

**Estimated Marginal Means**

|  |  |  |  |
| --- | --- | --- | --- |
| **1. Grand Mean** | | | |
| Measure: MEASURE\_1 | | | |
| Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 5.822 | .107 | 5.611 | 6.033 |

**2. Comp\_Flu**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Estimates** | | | | |
| Measure: MEASURE\_1 | | | | |
| Comp\_Flu | Mean | Std. Error | 95% Confidence Interval | |
| Lower Bound | Upper Bound |
| 1 | 4.722 | .178 | 4.371 | 5.073 |
| 2 | 5.875 | .168 | 5.543 | 6.207 |
| 3 | 6.868 | .136 | 6.599 | 7.137 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Pairwise Comparisons** | | | | | | |
| Measure: MEASURE\_1 | | | | | | |
| (I) Comp\_Flu | (J) Comp\_Flu | Mean Difference (I-J) | Std. Error | Sig.b | 95% Confidence Interval for Differenceb |  |
| Lower Bound |  |
| 1 | 2 | -1.153\* | .207 | .000 | -1.654 |  |
| 3 | -2.146\* | .229 | .000 | -2.701 |  |
| 2 | 1 | 1.153\* | .207 | .000 | .651 |  |
| 3 | -.993\* | .191 | .000 | -1.456 |  |
| 3 | 1 | 2.146\* | .229 | .000 | 1.591 |  |
| 2 | .993\* | .191 | .000 | .530 |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Multivariate Tests** | | | | | | | | |
|  | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |  |  |
| Pillai's trace | .381 | 43.638a | 2.000 | 142.000 | .000 | .381 |  |  |
| Wilks' lambda | .619 | 43.638a | 2.000 | 142.000 | .000 | .381 |  |  |
| Hotelling's trace | .615 | 43.638a | 2.000 | 142.000 | .000 | .381 |  |  |
| Roy's largest root | .615 | 43.638a | 2.000 | 142.000 | .000 | .381 |  |  |

**Profile Plots**

