**Appendix S: Experiment 1 – ANOVA Subjective Reports**

GET

 FILE="F:\Master's by Research\Tammy's MSc Data - Study 1\Study\_1\_Self-Report\_Data.sav".

DATASET NAME DataSet1 WINDOW=FRONT.

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

 /PRINT=DESCRIPTIVE ETASQ OPOWER

 /CRITERIA=ALPHA(.05)

 /WSDESIGN=Comp\_Flu.

**General Linear Model**

|  |
| --- |
| **Notes** |
| Output Created | 24-AUG-2019 12:35:51 |
| Comments |  |
| Input | Data | F:\Master's by Research\Tammy's MSc Data - Study 1\Study\_1\_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 /PRINT=DESCRIPTIVE ETASQ OPOWER /CRITERIA=ALPHA(.05) /WSDESIGN=Comp\_Flu. |
| Resources | Processor Time | 00:00:00.94 |
| Elapsed Time | 00:00:00.30 |

[DataSet1] F:\Master's by Research\Tammy's MSc Data - Study 1\Study\_1\_Self-Report\_Data.sav

|  |
| --- |
| **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 | 4.6597 | 2.74859 | 144 |
| Flow\_MCMF | 5.9375 | 2.15880 | 144 |
| Flow\_HCHF | 6.5556 | 1.86532 | 144 |

|  |
| --- |
| **Multivariate Testsa** |
| Effect | Value | F | Hypothesis df | Error df | Sig. |  |  |  |
| Comp\_Flu | Pillai's Trace | .316 | 32.778b | 2.000 | 142.000 | .000 |  |  |  |
| Wilks' Lambda | .684 | 32.778b | 2.000 | 142.000 | .000 |  |  |  |
| Hotelling's Trace | .462 | 32.778b | 2.000 | 142.000 | .000 |  |  |  |
| Roy's Largest Root | .462 | 32.778b | 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 | .927 | 10.765 | 2 | .005 | .932 |  |  |

|  |
| --- |
| **Tests of Within-Subjects Effects** |
| Measure: MEASURE\_1  |
| Source | Type III Sum of Squares | df | Mean Square | F |  |  |  |  |
| Comp\_Flu | Sphericity Assumed | 269.227 | 2 | 134.613 | 36.803 |  |  |  |  |
| Greenhouse-Geisser | 269.227 | 1.864 | 144.441 | 36.803 |  |  |  |  |
| Huynh-Feldt | 269.227 | 1.888 | 142.631 | 36.803 |  |  |  |  |
| Lower-bound | 269.227 | 1.000 | 269.227 | 36.803 |  |  |  |  |
| Error(Comp\_Flu) | Sphericity Assumed | 1046.106 | 286 | 3.658 |  |  |  |  |  |
| Greenhouse-Geisser | 1046.106 | 266.541 | 3.925 |  |  |  |  |  |
| Huynh-Feldt | 1046.106 | 269.923 | 3.876 |  |  |  |  |  |
| Lower-bound | 1046.106 | 143.000 | 7.315 |  |  |  |  |  |

|  |
| --- |
| **Tests of Within-Subjects Contrasts** |
| Measure: MEASURE\_1  |
| Source | Comp\_Flu | Type III Sum of Squares | df | Mean Square | F | Sig. |  |  |  |
| Comp\_Flu | Linear | 258.781 | 1 | 258.781 | 65.879 | .000 |  |  |  |
| Quadratic | 10.446 | 1 | 10.446 | 3.084 | .081 |  |  |  |
| Error(Comp\_Flu) | Linear | 561.719 | 143 | 3.928 |  |  |  |  |  |
| Quadratic | 484.388 | 143 | 3.387 |  |  |  |  |  |

|  |
| --- |
| **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 | 14122.454 | 1 | 14122.454 | 1685.436 | .000 | .922 |  |  |
| Error | 1198.213 | 143 | 8.379 |  |  |  |  |  |

**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

 /PRINT=DESCRIPTIVE ETASQ OPOWER

 /CRITERIA=ALPHA(.05)

 /WSDESIGN=Comp\_Flu.

**General Linear Model**

|  |
| --- |
| **Notes** |
| Output Created | 24-AUG-2019 12:38:25 |
| Comments |  |
| Input | Data | F:\Master's by Research\Tammy's MSc Data - Study 1\Study\_1\_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 /PRINT=DESCRIPTIVE ETASQ OPOWER /CRITERIA=ALPHA(.05) /WSDESIGN=Comp\_Flu. |
| Resources | Processor Time | 00:00:00.19 |
| Elapsed Time | 00:00:00.11 |

|  |
| --- |
| **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 | 6.2500 | 2.62984 | 144 |
| Concentration\_MCMF | 6.5556 | 2.17994 | 144 |
| Concentration\_HCHF | 7.2222 | 2.01201 | 144 |

|  |
| --- |
| **Multivariate Testsa** |
| Effect | Value | F | Hypothesis df | Error df | Sig. |  |  |  |
| Comp\_Flu | Pillai's Trace | .146 | 12.175b | 2.000 | 142.000 | .000 |  |  |  |
| Wilks' Lambda | .854 | 12.175b | 2.000 | 142.000 | .000 |  |  |  |
| Hotelling's Trace | .171 | 12.175b | 2.000 | 142.000 | .000 |  |  |  |
| Roy's Largest Root | .171 | 12.175b | 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 | .951 | 7.177 | 2 | .028 | .953 |  |  |

|  |
| --- |
| **Tests of Within-Subjects Effects** |
| Measure: MEASURE\_1  |
| Source | Type III Sum of Squares | df | Mean Square | F |  |  |  |  |
| Comp\_Flu | Sphericity Assumed | 71.185 | 2 | 35.593 | 11.334 |  |  |  |  |
| Greenhouse-Geisser | 71.185 | 1.906 | 37.347 | 11.334 |  |  |  |  |
| Huynh-Feldt | 71.185 | 1.931 | 36.862 | 11.334 |  |  |  |  |
| Lower-bound | 71.185 | 1.000 | 71.185 | 11.334 |  |  |  |  |
| Error(Comp\_Flu) | Sphericity Assumed | 898.148 | 286 | 3.140 |  |  |  |  |  |
| Greenhouse-Geisser | 898.148 | 272.567 | 3.295 |  |  |  |  |  |
| Huynh-Feldt | 898.148 | 276.154 | 3.252 |  |  |  |  |  |
| Lower-bound | 898.148 | 143.000 | 6.281 |  |  |  |  |  |

|  |
| --- |
| **Tests of Within-Subjects Contrasts** |
| Measure: MEASURE\_1  |
| Source | Comp\_Flu | Type III Sum of Squares | df | Mean Square | F | Sig. |  |  |  |
| Comp\_Flu | Linear | 68.056 | 1 | 68.056 | 20.362 | .000 |  |  |  |
| Quadratic | 3.130 | 1 | 3.130 | 1.065 | .304 |  |  |  |
| Error(Comp\_Flu) | Linear | 477.944 | 143 | 3.342 |  |  |  |  |  |
| Quadratic | 420.204 | 143 | 2.938 |  |  |  |  |  |

|  |
| --- |
| **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 | 19253.370 | 1 | 19253.370 | 2040.495 | .000 | .935 |  |  |
| Error | 1349.296 | 143 | 9.436 |  |  |  |  |  |

**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

 /PRINT=DESCRIPTIVE ETASQ OPOWER

 /CRITERIA=ALPHA(.05)

 /WSDESIGN=Comp\_Flu.

**General Linear Model**

|  |
| --- |
| **Notes** |
| Output Created | 24-AUG-2019 12:39:46 |
| Comments |  |
| Input | Data | F:\Master's by Research\Tammy's MSc Data - Study 1\Study\_1\_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 /PRINT=DESCRIPTIVE ETASQ OPOWER /CRITERIA=ALPHA(.05) /WSDESIGN=Comp\_Flu. |
| Resources | Processor Time | 00:00:00.16 |
| Elapsed Time | 00:00:00.11 |

|  |
| --- |
| **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 | 4.2361 | 2.63114 | 144 |
| Time\_Distortion\_MCMF | 4.6806 | 2.81020 | 144 |
| Time\_Distortion\_HCHF | 5.4236 | 2.58717 | 144 |

|  |
| --- |
| **Multivariate Testsa** |
| Effect | Value | F | Hypothesis df | Error df | Sig. |  |  |  |
| Comp\_Flu | Pillai's Trace | .104 | 8.246b | 2.000 | 142.000 | .000 |  |  |  |
| Wilks' Lambda | .896 | 8.246b | 2.000 | 142.000 | .000 |  |  |  |
| Hotelling's Trace | .116 | 8.246b | 2.000 | 142.000 | .000 |  |  |  |
| Roy's Largest Root | .116 | 8.246b | 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 | .926 | 10.965 | 2 | .004 | .931 |  |  |

|  |
| --- |
| **Tests of Within-Subjects Effects** |
| Measure: MEASURE\_1  |
| Source | Type III Sum of Squares | df | Mean Square | F |  |  |  |  |
| Comp\_Flu | Sphericity Assumed | 103.671 | 2 | 51.836 | 9.295 |  |  |  |  |
| Greenhouse-Geisser | 103.671 | 1.862 | 55.688 | 9.295 |  |  |  |  |
| Huynh-Feldt | 103.671 | 1.885 | 54.991 | 9.295 |  |  |  |  |
| Lower-bound | 103.671 | 1.000 | 103.671 | 9.295 |  |  |  |  |
| Error(Comp\_Flu) | Sphericity Assumed | 1594.995 | 286 | 5.577 |  |  |  |  |  |
| Greenhouse-Geisser | 1594.995 | 266.216 | 5.991 |  |  |  |  |  |
| Huynh-Feldt | 1594.995 | 269.587 | 5.916 |  |  |  |  |  |
| Lower-bound | 1594.995 | 143.000 | 11.154 |  |  |  |  |  |

|  |
| --- |
| **Tests of Within-Subjects Contrasts** |
| Measure: MEASURE\_1  |
| Source | Comp\_Flu | Type III Sum of Squares | df | Mean Square | F | Sig. |  |  |  |
| Comp\_Flu | Linear | 101.531 | 1 | 101.531 | 16.462 | .000 |  |  |  |
| Quadratic | 2.140 | 1 | 2.140 | .429 | .513 |  |  |  |
| Error(Comp\_Flu) | Linear | 881.969 | 143 | 6.168 |  |  |  |  |  |
| Quadratic | 713.027 | 143 | 4.986 |  |  |  |  |  |

|  |
| --- |
| **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 | 9870.891 | 1 | 9870.891 | 952.813 | .000 | .870 |  |  |
| Error | 1481.442 | 143 | 10.360 |  |  |  |  |  |

**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

 /PRINT=DESCRIPTIVE ETASQ OPOWER

 /CRITERIA=ALPHA(.05)

 /WSDESIGN=Comp\_Flu.

**General Linear Model**

|  |
| --- |
| **Notes** |
| Output Created | 24-AUG-2019 12:40:58 |
| Comments |  |
| Input | Data | F:\Master's by Research\Tammy's MSc Data - Study 1\Study\_1\_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 /PRINT=DESCRIPTIVE ETASQ OPOWER /CRITERIA=ALPHA(.05) /WSDESIGN=Comp\_Flu. |
| Resources | Processor Time | 00:00:00.13 |
| Elapsed Time | 00:00:00.09 |

|  |
| --- |
| **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 | 5.5139 | 2.35038 | 144 |
| Activation\_MCMF | 5.8611 | 2.15683 | 144 |
| Activation\_HCHF | 6.5208 | 1.96817 | 144 |

|  |
| --- |
| **Multivariate Testsa** |
| Effect | Value | F | Hypothesis df | Error df | Sig. |  |  |  |
| Comp\_Flu | Pillai's Trace | .182 | 15.749b | 2.000 | 142.000 | .000 |  |  |  |
| Wilks' Lambda | .818 | 15.749b | 2.000 | 142.000 | .000 |  |  |  |
| Hotelling's Trace | .222 | 15.749b | 2.000 | 142.000 | .000 |  |  |  |
| Roy's Largest Root | .222 | 15.749b | 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 | .991 | 1.233 | 2 | .540 | .991 |  |  |

|  |
| --- |
| **Tests of Within-Subjects Effects** |
| Measure: MEASURE\_1  |
| Source | Type III Sum of Squares | df | Mean Square | F |  |  |  |  |
| Comp\_Flu | Sphericity Assumed | 75.347 | 2 | 37.674 | 15.814 |  |  |  |  |
| Greenhouse-Geisser | 75.347 | 1.983 | 37.999 | 15.814 |  |  |  |  |
| Huynh-Feldt | 75.347 | 2.000 | 37.674 | 15.814 |  |  |  |  |
| Lower-bound | 75.347 | 1.000 | 75.347 | 15.814 |  |  |  |  |
| Error(Comp\_Flu) | Sphericity Assumed | 681.319 | 286 | 2.382 |  |  |  |  |  |
| Greenhouse-Geisser | 681.319 | 283.549 | 2.403 |  |  |  |  |  |
| Huynh-Feldt | 681.319 | 286.000 | 2.382 |  |  |  |  |  |
| Lower-bound | 681.319 | 143.000 | 4.764 |  |  |  |  |  |

|  |
| --- |
| **Tests of Within-Subjects Contrasts** |
| Measure: MEASURE\_1  |
| Source | Comp\_Flu | Type III Sum of Squares | df | Mean Square | F | Sig. |  |  |  |
| Comp\_Flu | Linear | 73.003 | 1 | 73.003 | 29.532 | .000 |  |  |  |
| Quadratic | 2.344 | 1 | 2.344 | 1.022 | .314 |  |  |  |
| Error(Comp\_Flu) | Linear | 353.497 | 143 | 2.472 |  |  |  |  |  |
| Quadratic | 327.823 | 143 | 2.292 |  |  |  |  |  |

|  |
| --- |
| **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 | 15372.521 | 1 | 15372.521 | 1655.558 | .000 | .920 |  |  |
| Error | 1327.813 | 143 | 9.285 |  |  |  |  |  |

**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

 /PRINT=DESCRIPTIVE ETASQ OPOWER

 /CRITERIA=ALPHA(.05)

 /WSDESIGN=Comp\_Flu.

**General Linear Model**

|  |
| --- |
| **Notes** |
| Output Created | 24-AUG-2019 12:42:17 |
| Comments |  |
| Input | Data | F:\Master's by Research\Tammy's MSc Data - Study 1\Study\_1\_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 /PRINT=DESCRIPTIVE ETASQ OPOWER /CRITERIA=ALPHA(.05) /WSDESIGN=Comp\_Flu. |
| Resources | Processor Time | 00:00:00.14 |
| Elapsed Time | 00:00:00.11 |

|  |
| --- |
| **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 | 4.8819 | 2.44233 | 144 |
| Pleasantness\_MCMF | 5.6944 | 2.17834 | 144 |
| Pleasantness\_HCHF | 6.6319 | 2.07801 | 144 |

|  |
| --- |
| **Multivariate Testsa** |
| Effect | Value | F | Hypothesis df | Error df | Sig. |  |  |  |
| Comp\_Flu | Pillai's Trace | .240 | 22.457b | 2.000 | 142.000 | .000 |  |  |  |
| Wilks' Lambda | .760 | 22.457b | 2.000 | 142.000 | .000 |  |  |  |
| Hotelling's Trace | .316 | 22.457b | 2.000 | 142.000 | .000 |  |  |  |
| Roy's Largest Root | .316 | 22.457b | 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 | .965 | 5.112 | 2 | .078 | .966 |  |  |

|  |
| --- |
| **Tests of Within-Subjects Effects** |
| Measure: MEASURE\_1  |
| Source | Type III Sum of Squares | df | Mean Square | F |  |  |  |  |
| Comp\_Flu | Sphericity Assumed | 220.875 | 2 | 110.437 | 25.922 |  |  |  |  |
| Greenhouse-Geisser | 220.875 | 1.932 | 114.342 | 25.922 |  |  |  |  |
| Huynh-Feldt | 220.875 | 1.958 | 112.826 | 25.922 |  |  |  |  |
| Lower-bound | 220.875 | 1.000 | 220.875 | 25.922 |  |  |  |  |
| Error(Comp\_Flu) | Sphericity Assumed | 1218.458 | 286 | 4.260 |  |  |  |  |  |
| Greenhouse-Geisser | 1218.458 | 276.233 | 4.411 |  |  |  |  |  |
| Huynh-Feldt | 1218.458 | 279.946 | 4.352 |  |  |  |  |  |
| Lower-bound | 1218.458 | 143.000 | 8.521 |  |  |  |  |  |

|  |
| --- |
| **Tests of Within-Subjects Contrasts** |
| Measure: MEASURE\_1  |
| Source | Comp\_Flu | Type III Sum of Squares | df | Mean Square | F | Sig. |  |  |  |
| Comp\_Flu | Linear | 220.500 | 1 | 220.500 | 44.379 | .000 |  |  |  |
| Quadratic | .375 | 1 | .375 | .106 | .746 |  |  |  |
| Error(Comp\_Flu) | Linear | 710.500 | 143 | 4.969 |  |  |  |  |  |
| Quadratic | 507.958 | 143 | 3.552 |  |  |  |  |  |

|  |
| --- |
| **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 | 14214.083 | 1 | 14214.083 | 2184.236 | .000 | .939 |  |  |
| Error | 930.583 | 143 | 6.508 |  |  |  |  |  |

**Profile Plots**



GLM Aesthetic\_Liking\_LCLF Aesthetic\_Liking\_MCMF Aesthetic\_Liking\_HCHF

 /WSFACTOR=Comp\_Flu 3 Polynomial

 /METHOD=SSTYPE(3)

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

 /PRINT=DESCRIPTIVE ETASQ OPOWER

 /CRITERIA=ALPHA(.05)

 /WSDESIGN=Comp\_Flu.

**General Linear Model**

|  |
| --- |
| **Notes** |
| Output Created | 24-AUG-2019 12:43:22 |
| Comments |  |
| Input | Data | F:\Master's by Research\Tammy's MSc Data - Study 1\Study\_1\_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 Aesthetic\_Liking\_LCLF Aesthetic\_Liking\_MCMF Aesthetic\_Liking\_HCHF /WSFACTOR=Comp\_Flu 3 Polynomial /METHOD=SSTYPE(3) /PLOT=PROFILE(Comp\_Flu) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO /PRINT=DESCRIPTIVE ETASQ OPOWER /CRITERIA=ALPHA(.05) /WSDESIGN=Comp\_Flu. |
| Resources | Processor Time | 00:00:00.14 |
| Elapsed Time | 00:00:00.09 |

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

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| **Descriptive Statistics** |
|  | Mean | Std. Deviation | N |
| Aesthetic\_Liking\_LCLF | 4.0347 | 2.72623 | 144 |
| Aesthetic\_Liking\_MCMF | 5.5972 | 2.59994 | 144 |
| Aesthetic\_Liking\_HCHF | 6.7083 | 2.41752 | 144 |

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| **Multivariate Testsa** |
| Effect | Value | F | Hypothesis df | Error df | Sig. |  |  |  |
| Comp\_Flu | Pillai's Trace | .353 | 38.730b | 2.000 | 142.000 | .000 |  |  |  |
| Wilks' Lambda | .647 | 38.730b | 2.000 | 142.000 | .000 |  |  |  |
| Hotelling's Trace | .545 | 38.730b | 2.000 | 142.000 | .000 |  |  |  |
| Roy's Largest Root | .545 | 38.730b | 2.000 | 142.000 | .000 |  |  |  |

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| **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 | .704 | 2 | .703 | .995 |  |  |

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| **Tests of Within-Subjects Effects** |
| Measure: MEASURE\_1  |
| Source | Type III Sum of Squares | df | Mean Square | F |  |  |  |  |
| Comp\_Flu | Sphericity Assumed | 519.560 | 2 | 259.780 | 40.501 |  |  |  |  |
| Greenhouse-Geisser | 519.560 | 1.990 | 261.065 | 40.501 |  |  |  |  |
| Huynh-Feldt | 519.560 | 2.000 | 259.780 | 40.501 |  |  |  |  |
| Lower-bound | 519.560 | 1.000 | 519.560 | 40.501 |  |  |  |  |
| Error(Comp\_Flu) | Sphericity Assumed | 1834.440 | 286 | 6.414 |  |  |  |  |  |
| Greenhouse-Geisser | 1834.440 | 284.592 | 6.446 |  |  |  |  |  |
| Huynh-Feldt | 1834.440 | 286.000 | 6.414 |  |  |  |  |  |
| Lower-bound | 1834.440 | 143.000 | 12.828 |  |  |  |  |  |

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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 | 514.670 | 1 | 514.670 | 76.281 | .000 |  |  |  |
| Quadratic | 4.890 | 1 | 4.890 | .804 | .371 |  |  |  |
| Error(Comp\_Flu) | Linear | 964.830 | 143 | 6.747 |  |  |  |  |  |
| Quadratic | 869.610 | 143 | 6.081 |  |  |  |  |  |

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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 | 12816.225 | 1 | 12816.225 | 1778.001 | .000 | .926 |  |  |
| Error | 1030.775 | 143 | 7.208 |  |  |  |  |  |

**Profile Plots**



GLM Conceptual\_Fluency\_LCLF Conceptual\_Fluency\_MCMF Conceptual\_Fluency\_HCHF

 /WSFACTOR=Comp\_Flu 3 Polynomial

 /METHOD=SSTYPE(3)

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

 /PRINT=DESCRIPTIVE ETASQ OPOWER

 /CRITERIA=ALPHA(.05)

 /WSDESIGN=Comp\_Flu.

**General Linear Model**

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| --- |
| **Notes** |
| Output Created | 24-AUG-2019 12:44:26 |
| Comments |  |
| Input | Data | F:\Master's by Research\Tammy's MSc Data - Study 1\Study\_1\_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 Conceptual\_Fluency\_LCLF Conceptual\_Fluency\_MCMF Conceptual\_Fluency\_HCHF /WSFACTOR=Comp\_Flu 3 Polynomial /METHOD=SSTYPE(3) /PLOT=PROFILE(Comp\_Flu) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO /PRINT=DESCRIPTIVE ETASQ OPOWER /CRITERIA=ALPHA(.05) /WSDESIGN=Comp\_Flu. |
| Resources | Processor Time | 00:00:00.11 |
| Elapsed Time | 00:00:00.09 |

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

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| **Descriptive Statistics** |
|  | Mean | Std. Deviation | N |
| Conceptual\_Fluency\_LCLF | 25.6250 | 22.24211 | 144 |
| Conceptual\_Fluency\_MCMF | 38.4028 | 24.79745 | 144 |
| Conceptual\_Fluency\_HCHF | 52.0139 | 29.46089 | 144 |

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| **Multivariate Testsa** |
| Effect | Value | F | Hypothesis df | Error df | Sig. |  |  |  |
| Comp\_Flu | Pillai's Trace | .398 | 46.907b | 2.000 | 142.000 | .000 |  |  |  |
| Wilks' Lambda | .602 | 46.907b | 2.000 | 142.000 | .000 |  |  |  |
| Hotelling's Trace | .661 | 46.907b | 2.000 | 142.000 | .000 |  |  |  |
| Roy's Largest Root | .661 | 46.907b | 2.000 | 142.000 | .000 |  |  |  |

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| **Mauchly's Test of Sphericitya** |
| Measure: MEASURE\_1  |
| Within Subjects Effect | Mauchly's W | Approx. Chi-Square | df | Sig. | Epsilonb |  |  |
| Greenhouse-Geisser |  |  |
| Comp\_Flu | .966 | 4.962 | 2 | .084 | .967 |  |  |

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| **Tests of Within-Subjects Effects** |
| Measure: MEASURE\_1  |
| Source | Type III Sum of Squares | df | Mean Square | F |  |  |  |  |
| Comp\_Flu | Sphericity Assumed | 50155.556 | 2 | 25077.778 | 50.093 |  |  |  |  |
| Greenhouse-Geisser | 50155.556 | 1.934 | 25938.886 | 50.093 |  |  |  |  |
| Huynh-Feldt | 50155.556 | 1.960 | 25594.294 | 50.093 |  |  |  |  |
| Lower-bound | 50155.556 | 1.000 | 50155.556 | 50.093 |  |  |  |  |
| Error(Comp\_Flu) | Sphericity Assumed | 143177.778 | 286 | 500.622 |  |  |  |  |  |
| Greenhouse-Geisser | 143177.778 | 276.505 | 517.812 |  |  |  |  |  |
| Huynh-Feldt | 143177.778 | 280.228 | 510.933 |  |  |  |  |  |
| Lower-bound | 143177.778 | 143.000 | 1001.243 |  |  |  |  |  |

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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 | 50138.889 | 1 | 50138.889 | 92.441 | .000 |  |  |  |
| Quadratic | 16.667 | 1 | 16.667 | .036 | .849 |  |  |  |
| Error(Comp\_Flu) | Linear | 77561.111 | 143 | 542.385 |  |  |  |  |  |
| Quadratic | 65616.667 | 143 | 458.858 |  |  |  |  |  |

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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 | 646352.083 | 1 | 646352.083 | 662.025 | .000 | .822 |  |  |
| Error | 139614.583 | 143 | 976.326 |  |  |  |  |  |

**Profile Plots**



GLM Complexity\_LCLF Complexity\_MCMF Complexity\_HCHF

 /WSFACTOR=Comp\_Flu 3 Polynomial

 /METHOD=SSTYPE(3)

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

 /PRINT=DESCRIPTIVE ETASQ OPOWER

 /CRITERIA=ALPHA(.05)

 /WSDESIGN=Comp\_Flu.

**General Linear Model**

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| --- |
| **Notes** |
| Output Created | 24-AUG-2019 12:45:34 |
| Comments |  |
| Input | Data | F:\Master's by Research\Tammy's MSc Data - Study 1\Study\_1\_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\_LCLF Complexity\_MCMF Complexity\_HCHF /WSFACTOR=Comp\_Flu 3 Polynomial /METHOD=SSTYPE(3) /PLOT=PROFILE(Comp\_Flu) TYPE=BAR ERRORBAR=CI MEANREFERENCE=NO /PRINT=DESCRIPTIVE ETASQ OPOWER /CRITERIA=ALPHA(.05) /WSDESIGN=Comp\_Flu. |
| Resources | Processor Time | 00:00:00.09 |
| Elapsed Time | 00:00:00.09 |

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

|  |
| --- |
| **Descriptive Statistics** |
|  | Mean | Std. Deviation | N |
| Complexity\_LCLF | 30.7639 | 22.50345 | 144 |
| Complexity\_MCMF | 47.4306 | 24.45909 | 144 |
| Complexity\_HCHF | 60.6944 | 25.76529 | 144 |

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| --- |
| **Multivariate Testsa** |
| Effect | Value | F | Hypothesis df | Error df | Sig. |  |  |  |
| Comp\_Flu | Pillai's Trace | .432 | 54.041b | 2.000 | 142.000 | .000 |  |  |  |
| Wilks' Lambda | .568 | 54.041b | 2.000 | 142.000 | .000 |  |  |  |
| Hotelling's Trace | .761 | 54.041b | 2.000 | 142.000 | .000 |  |  |  |
| Roy's Largest Root | .761 | 54.041b | 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 | 1.000 | .004 | 2 | .998 | 1.000 |  |  |

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| --- |
| **Tests of Within-Subjects Effects** |
| Measure: MEASURE\_1  |
| Source | Type III Sum of Squares | df | Mean Square | F |  |  |  |  |
| Comp\_Flu | Sphericity Assumed | 64778.241 | 2 | 32389.120 | 54.207 |  |  |  |  |
| Greenhouse-Geisser | 64778.241 | 2.000 | 32390.008 | 54.207 |  |  |  |  |
| Huynh-Feldt | 64778.241 | 2.000 | 32389.120 | 54.207 |  |  |  |  |
| Lower-bound | 64778.241 | 1.000 | 64778.241 | 54.207 |  |  |  |  |
| Error(Comp\_Flu) | Sphericity Assumed | 170888.426 | 286 | 597.512 |  |  |  |  |  |
| Greenhouse-Geisser | 170888.426 | 285.992 | 597.528 |  |  |  |  |  |
| Huynh-Feldt | 170888.426 | 286.000 | 597.512 |  |  |  |  |  |
| Lower-bound | 170888.426 | 143.000 | 1195.024 |  |  |  |  |  |

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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 | 64500.347 | 1 | 64500.347 | 108.322 | .000 |  |  |  |
| Quadratic | 277.894 | 1 | 277.894 | .463 | .497 |  |  |  |
| Error(Comp\_Flu) | Linear | 85149.653 | 143 | 595.452 |  |  |  |  |  |
| Quadratic | 85738.773 | 143 | 599.572 |  |  |  |  |  |

|  |
| --- |
| **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 | 925925.926 | 1 | 925925.926 | 1614.579 | .000 | .919 |  |  |
| Error | 82007.407 | 143 | 573.478 |  |  |  |  |  |

**Profile Plots**



DATASET ACTIVATE DataSet1.

SAVE OUTFILE="E:\Master's by Research\Tammy's MSc Data - Study 2\Study\_2\_Self-Report\_Data.sav"

 /COMPRESSED.

Your license renewal date has passed. This product will stop working if a new license is not installed soon.