**One-Way Analysis of Variance Report**

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Response Organising Well organised event

**Tests of the Normality of Residuals Assumption ───────────────────────────────────────────────────────────────────────**

**Test Prob Reject Normality?**

**Test Name Statistic Level (α=0.20)**

Shapiro-Wilk 0.8460 0.00000 Yes

Anderson-Darling 35.7002 0.00000 Yes

D'Agostino Skewness -9.3616 0.00000 Yes

D'Agostino Kurtosis 4.1870 0.00003 Yes

D'Agostino Omnibus (Skewness and Kurtosis) 105.1702 0.00000 Yes

**Tests of the Equality of Group Variances Assumption ───────────────────────────────────────────────────────────────────**

**Test Prob Reject Equal Variances?**

**Test Name Value Level (α=0.20)**

Brown-Forsythe (Data - Medians) 0.1365 0.71194 No

Levene (Data - Means) 0.6022 0.43802 No

Conover (Ranks of Deviations) 14.6092 0.00013 Yes

Bartlett (Likelihood Ratio) 1.8858 0.16968 Yes

**Box Plot Section ───────────────────────────────────────────────────────────────────────────────────────────**



**Analysis of Variance Table and F-Test ─────────────────────────────────────────────────────────────────────────────**

**Reject**

**Equal**

**Model Sum of Mean Prob Means? Power**

**Term DF Squares Square F-Ratio Level (α=0.05) (α=0.05)**

Between (Type ) 1 0.7834252 0.7834252 0.8179 0.36612 No 0.14738

Within (Error) 679 650.3972 0.9578751

Adjusted Total 680 651.1806

Total 681

**Descriptive Statistics ────────────────────────────────────────────────────────────────────────────────────────**

**Standard**

**Count Standard Error**

**Group (ni) Mean Effect Median Deviation √(MSE/ni)**

All 681 3.92511 3.929173

**A: Type**

CTGFWS 300 3.963333 0.0341601 4 1.019208 0.0565059

HWFF 381 3.895013 -0.0341601 4 0.9456278 0.05014088

**Plots of Means Section ───────────────────────────────────────────────────────────────────────────────────────**



**One-Way Analysis of Variance Report**

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Response Improvement Improves annually

**Tests of the Normality of Residuals Assumption ───────────────────────────────────────────────────────────────────────**

**Test Prob Reject Normality?**

**Test Name Statistic Level (α=0.20)**

Shapiro-Wilk 0.9445 0.00000 Yes

Anderson-Darling 15.3097 0.00000 Yes

D'Agostino Skewness -0.3518 0.72498 No

D'Agostino Kurtosis -0.3842 0.70082 No

D'Agostino Omnibus (Skewness and Kurtosis) 0.2714 0.87311 No

**Tests of the Equality of Group Variances Assumption ───────────────────────────────────────────────────────────────────**

**Test Prob Reject Equal Variances?**

**Test Name Value Level (α=0.20)**

Brown-Forsythe (Data - Medians) 7.1296 0.00776 Yes

Levene (Data - Means) 1.8987 0.16868 Yes

Conover (Ranks of Deviations) 1.9856 0.15880 Yes

Bartlett (Likelihood Ratio) 0.6071 0.43587 No

**Box Plot Section ───────────────────────────────────────────────────────────────────────────────────────────**



**Analysis of Variance Table and F-Test ─────────────────────────────────────────────────────────────────────────────**

**Reject**

**Equal**

**Model Sum of Mean Prob Means? Power**

**Term DF Squares Square F-Ratio Level (α=0.05) (α=0.05)**

Between (Type ) 1 29.80739 29.80739 33.5063 0.00000 Yes 0.99993

Within (Error) 679 604.0428 0.8896065

Adjusted Total 680 633.8502

Total 681

**Descriptive Statistics ────────────────────────────────────────────────────────────────────────────────────────**

**Standard**

**Count Standard Error**

**Group (ni) Mean Effect Median Deviation √(MSE/ni)**

All 681 3.475771 3.450709

**A: Type**

CTGFWS 300 3.24 -0.2107087 3 0.9654915 0.05445508

HWFF 381 3.661417 0.2107087 4 0.9252636 0.04832106

**Plots of Means Section ───────────────────────────────────────────────────────────────────────────────────────**



**One-Way Analysis of Variance Report**

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Response Accessiblility Info not readily available

**Tests of the Normality of Residuals Assumption ───────────────────────────────────────────────────────────────────────**

**Test Prob Reject Normality?**

**Test Name Statistic Level (α=0.20)**

Shapiro-Wilk 0.9623 0.00000 Yes

Anderson-Darling 7.6923 0.00000 Yes

D'Agostino Skewness -0.4325 0.66540 No

D'Agostino Kurtosis -7.4463 0.00000 Yes

D'Agostino Omnibus (Skewness and Kurtosis) 55.6345 0.00000 Yes

**Tests of the Equality of Group Variances Assumption ───────────────────────────────────────────────────────────────────**

**Test Prob Reject Equal Variances?**

**Test Name Value Level (α=0.20)**

Brown-Forsythe (Data - Medians) 21.2210 0.00000 Yes

Levene (Data - Means) 21.6819 0.00000 Yes

Conover (Ranks of Deviations) 27.4564 0.00000 Yes

Bartlett (Likelihood Ratio) 8.7192 0.00315 Yes

**Box Plot Section ───────────────────────────────────────────────────────────────────────────────────────────**



**Analysis of Variance Table and F-Test ─────────────────────────────────────────────────────────────────────────────**

**Reject**

**Equal**

**Model Sum of Mean Prob Means? Power**

**Term DF Squares Square F-Ratio Level (α=0.05) (α=0.05)**

Between (Type ) 1 36.52746 36.52746 25.4521 0.00000 Yes 0.99896

Within (Error) 679 974.4623 1.435143

Adjusted Total 680 1010.99

Total 681

**Descriptive Statistics ────────────────────────────────────────────────────────────────────────────────────────**

**Standard**

**Count Standard Error**

**Group (ni) Mean Effect Median Deviation √(MSE/ni)**

All 681 3.054332 3.026588

**A: Type**

CTGFWS 300 2.793333 -0.2332546 3 1.302412 0.0691651

HWFF 381 3.259843 0.2332546 3 1.108906 0.0613741

**Plots of Means Section ───────────────────────────────────────────────────────────────────────────────────────**



**One-Way Analysis of Variance Report**

Dataset D:\Consult\CPUT\2022\Lara van Zyl\Results CTGFWS HWFF V2.NCSS

Response Prices Reasonable prices

**Tests of the Normality of Residuals Assumption ───────────────────────────────────────────────────────────────────────**

**Test Prob Reject Normality?**

**Test Name Statistic Level (α=0.20)**

Shapiro-Wilk 0.9380 0.00000 Yes

Anderson-Darling 12.7546 0.00000 Yes

D'Agostino Skewness -5.5787 0.00000 Yes

D'Agostino Kurtosis -0.9694 0.33236 No

D'Agostino Omnibus (Skewness and Kurtosis) 32.0621 0.00000 Yes

**Tests of the Equality of Group Variances Assumption ───────────────────────────────────────────────────────────────────**

**Test Prob Reject Equal Variances?**

**Test Name Value Level (α=0.20)**

Brown-Forsythe (Data - Medians) 18.8127 0.00002 Yes

Levene (Data - Means) 15.0396 0.00012 Yes

Conover (Ranks of Deviations) 17.5018 0.00003 Yes

Bartlett (Likelihood Ratio) 9.0481 0.00263 Yes

**Box Plot Section ───────────────────────────────────────────────────────────────────────────────────────────**



**Analysis of Variance Table and F-Test ─────────────────────────────────────────────────────────────────────────────**

**Reject**

**Equal**

**Model Sum of Mean Prob Means? Power**

**Term DF Squares Square F-Ratio Level (α=0.05) (α=0.05)**

Between (Type ) 1 20.12197 20.12197 16.2843 0.00006 Yes 0.98076

Within (Error) 679 839.0175 1.235667

Adjusted Total 680 859.1395

Total 681

**Descriptive Statistics ────────────────────────────────────────────────────────────────────────────────────────**

**Standard**

**Count Standard Error**

**Group (ni) Mean Effect Median Deviation √(MSE/ni)**

All 681 3.540382 3.51979

**A: Type**

CTGFWS 300 3.346667 -0.1731234 3 1.21025 0.06417856

HWFF 381 3.692913 0.1731234 4 1.027351 0.05694927

**Plots of Means Section ───────────────────────────────────────────────────────────────────────────────────────**



**One-Way Analysis of Variance Report**

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Response Impact Positive economic impact

**Tests of the Normality of Residuals Assumption ───────────────────────────────────────────────────────────────────────**

**Test Prob Reject Normality?**

**Test Name Statistic Level (α=0.20)**

Shapiro-Wilk 0.3750 0.00000 Yes

Anderson-Darling 59.6220 0.00000 Yes

D'Agostino Skewness 32.3765 0.00000 Yes

D'Agostino Kurtosis 18.9685 0.00000 Yes

D'Agostino Omnibus (Skewness and Kurtosis) 1408.0445 0.00000 Yes

**Tests of the Equality of Group Variances Assumption ───────────────────────────────────────────────────────────────────**

**Test Prob Reject Equal Variances?**

**Test Name Value Level (α=0.20)**

Brown-Forsythe (Data - Medians) 1.5971 0.20675 No

Levene (Data - Means) 0.9725 0.32441 No

Conover (Ranks of Deviations) 0.9454 0.33090 No

Bartlett (Likelihood Ratio) 304.5018 0.00000 Yes

**Box Plot Section ───────────────────────────────────────────────────────────────────────────────────────────**



**Analysis of Variance Table and F-Test ─────────────────────────────────────────────────────────────────────────────**

**Reject**

**Equal**

**Model Sum of Mean Prob Means? Power**

**Term DF Squares Square F-Ratio Level (α=0.05) (α=0.05)**

Between (Type ) 1 7.07794 7.07794 2.2541 0.13373 No 0.32277

Within (Error) 679 2132.103 3.140063

Adjusted Total 680 2139.181

Total 681

**Descriptive Statistics ────────────────────────────────────────────────────────────────────────────────────────**

**Standard**

**Count Standard Error**

**Group (ni) Mean Effect Median Deviation √(MSE/ni)**

All 681 3.92511 3.937323

**A: Type**

CTGFWS 300 4.04 0.1026772 4 2.46278 0.1023078

HWFF 381 3.834646 -0.1026772 4 0.9156284 0.09078345

**Plots of Means Section ───────────────────────────────────────────────────────────────────────────────────────**



**One-Way Analysis of Variance Report**

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Response Different Unique,not other like in Cape Town

**Tests of the Normality of Residuals Assumption ───────────────────────────────────────────────────────────────────────**

**Test Prob Reject Normality?**

**Test Name Statistic Level (α=0.20)**

Shapiro-Wilk 0.8796 0.00000 Yes

Anderson-Darling 34.8957 0.00000 Yes

D'Agostino Skewness -2.2140 0.02683 Yes

D'Agostino Kurtosis -1.1605 0.24585 No

D'Agostino Omnibus (Skewness and Kurtosis) 6.2485 0.04397 Yes

**Tests of the Equality of Group Variances Assumption ───────────────────────────────────────────────────────────────────**

**Test Prob Reject Equal Variances?**

**Test Name Value Level (α=0.20)**

Brown-Forsythe (Data - Medians) 2.0002 0.15773 Yes

Levene (Data - Means) 3.8236 0.05095 Yes

Conover (Ranks of Deviations) 11.7815 0.00060 Yes

Bartlett (Likelihood Ratio) 3.6129 0.05733 Yes

**Box Plot Section ───────────────────────────────────────────────────────────────────────────────────────────**



**Analysis of Variance Table and F-Test ─────────────────────────────────────────────────────────────────────────────**

**Reject**

**Equal**

**Model Sum of Mean Prob Means? Power**

**Term DF Squares Square F-Ratio Level (α=0.05) (α=0.05)**

Between (Type ) 1 0.008304601 0.008304601 0.0093 0.92306 No 0.05107

Within (Error) 679 604.0916 0.8896783

Adjusted Total 680 604.0999

Total 681

**Descriptive Statistics ────────────────────────────────────────────────────────────────────────────────────────**

**Standard**

**Count Standard Error**

**Group (ni) Mean Effect Median Deviation √(MSE/ni)**

All 681 3.609398 3.609816

**A: Type**

CTGFWS 300 3.613333 0.00351706 4 0.996896 0.05445727

HWFF 381 3.606299 -0.00351706 4 0.8987489 0.04832301

**Plots of Means Section ───────────────────────────────────────────────────────────────────────────────────────**



**One-Way Analysis of Variance Report**

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Response Liveshows Live shows met my expectations

**Tests of the Normality of Residuals Assumption ───────────────────────────────────────────────────────────────────────**

**Test Prob Reject Normality?**

**Test Name Statistic Level (α=0.20)**

Shapiro-Wilk 0.9181 0.00000 Yes

Anderson-Darling 20.7328 0.00000 Yes

D'Agostino Skewness -4.0068 0.00006 Yes

D'Agostino Kurtosis -1.1600 0.24604 No

D'Agostino Omnibus (Skewness and Kurtosis) 17.3999 0.00017 Yes

**Tests of the Equality of Group Variances Assumption ───────────────────────────────────────────────────────────────────**

**Test Prob Reject Equal Variances?**

**Test Name Value Level (α=0.20)**

Brown-Forsythe (Data - Medians) 1.5415 0.21482 No

Levene (Data - Means) 1.5528 0.21315 No

Conover (Ranks of Deviations) 0.0471 0.82815 No

Bartlett (Likelihood Ratio) 0.2888 0.59098 No

**Box Plot Section ───────────────────────────────────────────────────────────────────────────────────────────**



**Analysis of Variance Table and F-Test ─────────────────────────────────────────────────────────────────────────────**

**Reject**

**Equal**

**Model Sum of Mean Prob Means? Power**

**Term DF Squares Square F-Ratio Level (α=0.05) (α=0.05)**

Between (Type ) 1 2.839957 2.839957 2.4138 0.12073 No 0.34167

Within (Error) 679 798.8723 1.176542

Adjusted Total 680 801.7122

Total 681

**Descriptive Statistics ────────────────────────────────────────────────────────────────────────────────────────**

**Standard**

**Count Standard Error**

**Group (ni) Mean Effect Median Deviation √(MSE/ni)**

All 681 3.353891 3.361627

**A: Type**

CTGFWS 300 3.426667 0.06503937 3 1.102425 0.06262434

HWFF 381 3.296588 -0.06503937 3 1.070521 0.05557011

**Plots of Means Section ───────────────────────────────────────────────────────────────────────────────────────**



**One-Way Analysis of Variance Report**

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Response Exhibitors Exhibitors were of high standards

**Tests of the Normality of Residuals Assumption ───────────────────────────────────────────────────────────────────────**

**Test Prob Reject Normality?**

**Test Name Statistic Level (α=0.20)**

Shapiro-Wilk 0.9268 0.00000 Yes

Anderson-Darling 17.1680 0.00000 Yes

D'Agostino Skewness -4.9334 0.00000 Yes

D'Agostino Kurtosis 0.0876 0.93023 No

D'Agostino Omnibus (Skewness and Kurtosis) 24.3461 0.00001 Yes

**Tests of the Equality of Group Variances Assumption ───────────────────────────────────────────────────────────────────**

**Test Prob Reject Equal Variances?**

**Test Name Value Level (α=0.20)**

Brown-Forsythe (Data - Medians) 0.7123 0.39896 No

Levene (Data - Means) 1.0882 0.29724 No

Conover (Ranks of Deviations) 0.1082 0.74216 No

Bartlett (Likelihood Ratio) 0.5427 0.46132 No

**Box Plot Section ───────────────────────────────────────────────────────────────────────────────────────────**



**Analysis of Variance Table and F-Test ─────────────────────────────────────────────────────────────────────────────**

**Reject**

**Equal**

**Model Sum of Mean Prob Means? Power**

**Term DF Squares Square F-Ratio Level (α=0.05) (α=0.05)**

Between (Type ) 1 9.232843 9.232843 10.5856 0.00120 Yes 0.90130

Within (Error) 679 592.2297 0.8722087

Adjusted Total 680 601.4626

Total 681

**Descriptive Statistics ────────────────────────────────────────────────────────────────────────────────────────**

**Standard**

**Count Standard Error**

**Group (ni) Mean Effect Median Deviation √(MSE/ni)**

All 681 3.762115 3.776063

**A: Type**

CTGFWS 300 3.893333 0.1172703 4 0.9548094 0.05391996

HWFF 381 3.658793 -0.1172703 4 0.917151 0.04784623

**Plots of Means Section ───────────────────────────────────────────────────────────────────────────────────────**



**One-Way Analysis of Variance Report**

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Response Venue Ideal venue

**Tests of the Normality of Residuals Assumption ───────────────────────────────────────────────────────────────────────**

**Test Prob Reject Normality?**

**Test Name Statistic Level (α=0.20)**

Shapiro-Wilk 0.9009 0.00000 Yes

Anderson-Darling 19.8690 0.00000 Yes

D'Agostino Skewness -7.5347 0.00000 Yes

D'Agostino Kurtosis 2.0288 0.04248 Yes

D'Agostino Omnibus (Skewness and Kurtosis) 60.8880 0.00000 Yes

**Tests of the Equality of Group Variances Assumption ───────────────────────────────────────────────────────────────────**

**Test Prob Reject Equal Variances?**

**Test Name Value Level (α=0.20)**

Brown-Forsythe (Data - Medians) 0.2667 0.60573 No

Levene (Data - Means) 1.4091 0.23562 No

Conover (Ranks of Deviations) 3.0754 0.07948 Yes

Bartlett (Likelihood Ratio) 0.9852 0.32092 No

**Box Plot Section ───────────────────────────────────────────────────────────────────────────────────────────**



**Analysis of Variance Table and F-Test ─────────────────────────────────────────────────────────────────────────────**

**Reject**

**Equal**

**Model Sum of Mean Prob Means? Power**

**Term DF Squares Square F-Ratio Level (α=0.05) (α=0.05)**

Between (Type ) 1 11.30031 11.30031 11.4562 0.00075 Yes 0.92219

Within (Error) 679 669.7599 0.9863916

Adjusted Total 680 681.0602

Total 681

**Descriptive Statistics ────────────────────────────────────────────────────────────────────────────────────────**

**Standard**

**Count Standard Error**

**Group (ni) Mean Effect Median Deviation √(MSE/ni)**

All 681 3.914831 3.930263

**A: Type**

CTGFWS 300 4.06 0.1297375 4 1.023013 0.05734084

HWFF 381 3.800525 -0.1297375 4 0.9690471 0.05088177

**Plots of Means Section ───────────────────────────────────────────────────────────────────────────────────────**



**One-Way Analysis of Variance Report**

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Response Expectations All expectations met

**Tests of the Normality of Residuals Assumption ───────────────────────────────────────────────────────────────────────**

**Test Prob Reject Normality?**

**Test Name Statistic Level (α=0.20)**

Shapiro-Wilk 0.9032 0.00000 Yes

Anderson-Darling 24.6235 0.00000 Yes

D'Agostino Skewness -4.5179 0.00001 Yes

D'Agostino Kurtosis -1.9859 0.04704 Yes

D'Agostino Omnibus (Skewness and Kurtosis) 24.3555 0.00001 Yes

**Tests of the Equality of Group Variances Assumption ───────────────────────────────────────────────────────────────────**

**Test Prob Reject Equal Variances?**

**Test Name Value Level (α=0.20)**

Brown-Forsythe (Data - Medians) 4.7013 0.03049 Yes

Levene (Data - Means) 16.3465 0.00006 Yes

Conover (Ranks of Deviations) 10.7851 0.00102 Yes

Bartlett (Likelihood Ratio) 12.3867 0.00043 Yes

**Box Plot Section ───────────────────────────────────────────────────────────────────────────────────────────**



**Analysis of Variance Table and F-Test ─────────────────────────────────────────────────────────────────────────────**

**Reject**

**Equal**

**Model Sum of Mean Prob Means? Power**

**Term DF Squares Square F-Ratio Level (α=0.05) (α=0.05)**

Between (Type ) 1 0.2985939 0.2985939 0.2619 0.60895 No 0.08042

Within (Error) 679 773.9951 1.139904

Adjusted Total 680 774.2937

Total 681

**Descriptive Statistics ────────────────────────────────────────────────────────────────────────────────────────**

**Standard**

**Count Standard Error**

**Group (ni) Mean Effect Median Deviation √(MSE/ni)**

All 681 3.553598 3.551089

**A: Type**

CTGFWS 300 3.53 -0.02108924 4 1.177734 0.06164156

HWFF 381 3.572178 0.02108924 4 0.9723346 0.05469804

**Plots of Means Section ───────────────────────────────────────────────────────────────────────────────────────**



**One-Way Analysis of Variance Report**

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Response Staff Friendly and professional staff

**Tests of the Normality of Residuals Assumption ───────────────────────────────────────────────────────────────────────**

**Test Prob Reject Normality?**

**Test Name Statistic Level (α=0.20)**

Shapiro-Wilk 0.9205 0.00000 Yes

Anderson-Darling 16.1333 0.00000 Yes

D'Agostino Skewness -6.7463 0.00000 Yes

D'Agostino Kurtosis 1.8630 0.06246 Yes

D'Agostino Omnibus (Skewness and Kurtosis) 48.9827 0.00000 Yes

**Tests of the Equality of Group Variances Assumption ───────────────────────────────────────────────────────────────────**

**Test Prob Reject Equal Variances?**

**Test Name Value Level (α=0.20)**

Brown-Forsythe (Data - Medians) 2.8147 0.09386 Yes

Levene (Data - Means) 8.4090 0.00385 Yes

Conover (Ranks of Deviations) 3.6928 0.05465 Yes

Bartlett (Likelihood Ratio) 0.5132 0.47374 No

**Box Plot Section ───────────────────────────────────────────────────────────────────────────────────────────**



**Analysis of Variance Table and F-Test ─────────────────────────────────────────────────────────────────────────────**

**Reject**

**Equal**

**Model Sum of Mean Prob Means? Power**

**Term DF Squares Square F-Ratio Level (α=0.05) (α=0.05)**

Between (Type ) 1 14.92653 14.92653 16.5501 0.00005 Yes 0.98224

Within (Error) 679 612.3892 0.9018987

Adjusted Total 680 627.3157

Total 681

**Descriptive Statistics ────────────────────────────────────────────────────────────────────────────────────────**

**Standard**

**Count Standard Error**

**Group (ni) Mean Effect Median Deviation √(MSE/ni)**

All 681 3.853157 3.870892

**A: Type**

CTGFWS 300 4.02 0.1491076 4 0.9286953 0.05483

HWFF 381 3.721785 -0.1491076 4 0.9658773 0.04865376

**Plots of Means Section ───────────────────────────────────────────────────────────────────────────────────────**



**One-Way Analysis of Variance Report**

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Response Parking Adequate parking

**Tests of the Normality of Residuals Assumption ───────────────────────────────────────────────────────────────────────**

**Test Prob Reject Normality?**

**Test Name Statistic Level (α=0.20)**

Shapiro-Wilk 0.8893 0.00000 Yes

Anderson-Darling 26.5381 0.00000 Yes

D'Agostino Skewness -6.3494 0.00000 Yes

D'Agostino Kurtosis 0.0998 0.92053 No

D'Agostino Omnibus (Skewness and Kurtosis) 40.3251 0.00000 Yes

**Tests of the Equality of Group Variances Assumption ───────────────────────────────────────────────────────────────────**

**Test Prob Reject Equal Variances?**

**Test Name Value Level (α=0.20)**

Brown-Forsythe (Data - Medians) 0.5229 0.46987 No

Levene (Data - Means) 2.3917 0.12245 Yes

Conover (Ranks of Deviations) 11.3871 0.00074 Yes

Bartlett (Likelihood Ratio) 1.8535 0.17337 Yes

**Box Plot Section ───────────────────────────────────────────────────────────────────────────────────────────**



**Analysis of Variance Table and F-Test ─────────────────────────────────────────────────────────────────────────────**

**Reject**

**Equal**

**Model Sum of Mean Prob Means? Power**

**Term DF Squares Square F-Ratio Level (α=0.05) (α=0.05)**

Between (Type ) 1 2.250713 2.250713 2.3561 0.12526 No 0.33486

Within (Error) 679 648.6333 0.9552773

Adjusted Total 680 650.884

Total 681

**Descriptive Statistics ────────────────────────────────────────────────────────────────────────────────────────**

**Standard**

**Count Standard Error**

**Group (ni) Mean Effect Median Deviation √(MSE/ni)**

All 681 3.87812 3.871234

**A: Type**

CTGFWS 300 3.813333 -0.05790026 4 1.017484 0.05642923

HWFF 381 3.929134 0.05790026 4 0.9446339 0.05007284

**Plots of Means Section ───────────────────────────────────────────────────────────────────────────────────────**



**One-Way Analysis of Variance Report**

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Response Signange Not sufficient signage

**Tests of the Normality of Residuals Assumption ───────────────────────────────────────────────────────────────────────**

**Test Prob Reject Normality?**

**Test Name Statistic Level (α=0.20)**

Shapiro-Wilk 0.9477 0.00000 Yes

Anderson-Darling 10.1418 0.00000 Yes

D'Agostino Skewness 0.5412 0.58840 No

D'Agostino Kurtosis -9.3138 0.00000 Yes

D'Agostino Omnibus (Skewness and Kurtosis) 87.0402 0.00000 Yes

**Tests of the Equality of Group Variances Assumption ───────────────────────────────────────────────────────────────────**

**Test Prob Reject Equal Variances?**

**Test Name Value Level (α=0.20)**

Brown-Forsythe (Data - Medians) 16.6033 0.00005 Yes

Levene (Data - Means) 18.9129 0.00002 Yes

Conover (Ranks of Deviations) 9.9009 0.00165 Yes

Bartlett (Likelihood Ratio) 5.8254 0.01580 Yes

**Box Plot Section ───────────────────────────────────────────────────────────────────────────────────────────**



**Analysis of Variance Table and F-Test ─────────────────────────────────────────────────────────────────────────────**

**Reject**

**Equal**

**Model Sum of Mean Prob Means? Power**

**Term DF Squares Square F-Ratio Level (α=0.05) (α=0.05)**

Between (Type ) 1 14.47026 14.47026 9.2874 0.00240 Yes 0.86065

Within (Error) 679 1057.917 1.558052

Adjusted Total 680 1072.388

Total 681

**Descriptive Statistics ────────────────────────────────────────────────────────────────────────────────────────**

**Standard**

**Count Standard Error**

**Group (ni) Mean Effect Median Deviation √(MSE/ni)**

All 681 2.894273 2.876811

**A: Type**

CTGFWS 300 2.73 -0.146811 3 1.337809 0.07206599

HWFF 381 3.023622 0.146811 3 1.172926 0.06394823

**Plots of Means Section ───────────────────────────────────────────────────────────────────────────────────────**

