Oneway

Notes

Output Created		28-FEB-2022 22:40:50
Comments		
Input	Data	/Users/benjamin/Desktop/AP Research/21-22-PAS-AP-Research/Experiment 3/E3-Raw/E3.csv
	Active Dataset	DataSet8
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	125
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY Difference BY ReferenceNum /ES=OVERALL /STATISTICS HOMOGENEITY /MISSING ANALYSIS /CRITERIA=CILEVEL (0.95) /POSTHOC=TUKEY ALPHA(0.05).
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Difference	Based on Mean	9.176	4	120	<.001
	Based on Median	6.583	4	120	<.001
	Based on Median and with adjusted df	6.583	4	64.674	<.001
	Based on trimmed mean	8.527	4	120	<.001

ANOVA

Difference

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.076	4	.019	6.916	<.001
Within Groups	.329	120	.003		
Total	.405	124			

ANOVA Effect Sizes[a]

		Point Estimate	95% Confidence Interval Lower	Upper
Difference	Eta-squared	.187	.058	.286
	Epsilon-squared	.160	.027	.262
	Omega-squared Fixed-effect	.159	.027	.261
	Omega-squared Random-effect	.045	.007	.081

a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model.

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Difference

Tukey HSD

(I) ReferenceNum	(J) ReferenceNum	Mean Difference (I-J)	Std. Error	Sig.	95% … Lower Bound
1	2	-.0259760	.0148137	.406	-.067005
	3	-.0612560*	.0148137	<.001	-.102285
	4	-.0534000*	.0148137	.004	-.094429
	5	-.0055520	.0148137	.996	-.046581
2	1	.0259760	.0148137	.406	-.015053
	3	-.0352800	.0148137	.127	-.076309
	4	-.0274240	.0148137	.349	-.068453
	5	.0204240	.0148137	.642	-.020605
3	1	.0612560*	.0148137	<.001	.020227
	2	.0352800	.0148137	.127	-.005749
	4	.0078560	.0148137	.984	-.033173
	5	.0557040*	.0148137	.002	.014675
4	1	.0534000*	.0148137	.004	.012371
	2	.0274240	.0148137	.349	-.013605
	3	-.0078560	.0148137	.984	-.048885
	5	.0478480*	.0148137	.014	.006819

Multiple Comparisons

Dependent Variable: Difference

Tukey HSD

(I) ReferenceNum	(J) ReferenceNum	95% … Upper Bound
1	2	.015053
	3	-.020227
	4	-.012371
	5	.035477
2	1	.067005
	3	.005749
	4	.013605
	5	.061453
3	1	.102285
	2	.076309
	4	.048885
	5	.096733
4	1	.094429
	2	.068453
	3	.033173
	5	.088877

Multiple Comparisons

Dependent Variable: Difference

Tukey HSD

(I) ReferenceNum	(J) ReferenceNum	Mean Difference (I-J)	Std. Error	Sig.	95% … Lower Bound
5	1	.0055520	.0148137	.996	-.035477
	2	-.0204240	.0148137	.642	-.061453
	3	-.0557040*	.0148137	.002	-.096733
	4	-.0478480*	.0148137	.014	-.088877

Multiple Comparisons

Dependent Variable: Difference

Tukey HSD

(I) ReferenceNum	(J) ReferenceNum	95% … Upper Bound
5	1	.046581
	2	.020605
	3	-.014675
	4	-.006819

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

Difference

Tukey HSD[a]

ReferenceNum	N	Subset for alpha = 0.05	
		1	2
1	25	-.081608	
5	25	-.076056	
2	25	-.055632	-.055632
4	25		-.028208
3	25		-.020352
Sig.		.406	.127

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 25.000.