Oneway

Notes

Output Created		28-FEB-2022 22:59:44
Comments		
Input	Data	/Users/benjamin/Desktop/AP Research/21-22-PAS-AP-Research/Experiment 4/E4-Raw/EA.csv
	Active Dataset	DataSet15
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	100
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 Scale /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	4.292	3	96	.007
	Based on Median	2.243	3	96	.088
	Based on Median and with adjusted df	2.243	3	74.133	.090
	Based on trimmed mean	3.871	3	96	.012

ANOVA

Difference

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.026	3	.009	4.010	.010
Within Groups	.204	96	.002		
Total	.229	99			

ANOVA Effect Sizes[a,b]

		Point Estimate	95% Confidence Interval Lower	Upper
Difference	Eta-squared	.111	.008	.216
	Epsilon-squared	.084	-.023	.191
	Omega-squared Fixed-effect	.083	-.023	.190
	Omega-squared Random-effect	.029	-.008	.072

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

b. Negative but less biased estimates are retained, not rounded to zero.

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Difference

Tukey HSD

(I) Scale	(J) Scale	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
5	10	.0221600	.0130279	.329	-.011903	.056223
	15	.0318400	.0130279	.076	-.002223	.065903
	20	.0435120*	.0130279	.006	.009449	.077575
10	5	-.0221600	.0130279	.329	-.056223	.011903
	15	.0096800	.0130279	.879	-.024383	.043743
	20	.0213520	.0130279	.362	-.012711	.055415
15	5	-.0318400	.0130279	.076	-.065903	.002223
	10	-.0096800	.0130279	.879	-.043743	.024383
	20	.0116720	.0130279	.807	-.022391	.045735
20	5	-.0435120*	.0130279	.006	-.077575	-.009449
	10	-.0213520	.0130279	.362	-.055415	.012711
	15	-.0116720	.0130279	.807	-.045735	.022391

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

Homogeneous Subsets

Difference

Tukey HSD[a]

Scale	N	Subset for alpha = 0.05	
		1	2
20	25	-.076984	
15	25	-.065312	-.065312
10	25	-.055632	-.055632
5	25		-.033472
Sig.		.362	.076

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 25.000.