

## Oneway

### Notes

Output Created		28-FEB-2022 22:47:40
Comments		
Input	Data	/Users/benjamin/Desktop/AP Research/21-22-PAS-AP-Research/Experiment 4/E4-Raw/E4-A.csv
	Active Dataset	DataSet9
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
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	5.164	3	16	.011
	Based on Median	2.573	3	16	.090
	Based on Median and with adjusted df	2.573	3	11.152	.107
	Based on trimmed mean	4.995	3	16	.012

## ANOVA

Difference

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.009	3	.003	26430.465	<.001
Within Groups	.000	16	.000		
Total	.009	19			

## ANOVA Effect Sizes<sup>a</sup>

		Point Estimate	95% Confidence Interval	
			Lower	Upper
Difference	Eta-squared	1.000	.999	1.000
	Epsilon-squared	1.000	.999	1.000
	Omega-squared Fixed-effect	1.000	.999	1.000
	Omega-squared Random-effect	.999	.998	.999

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) Scale	(J) Scale	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
5	10	.027 <sup>*</sup>	.000	<.001	.03	.03
	15	.033 <sup>*</sup>	.000	<.001	.03	.03
	20	.058 <sup>*</sup>	.000	<.001	.06	.06
10	5	-.027 <sup>*</sup>	.000	<.001	-.03	-.03
	15	.006 <sup>*</sup>	.000	<.001	.01	.01
	20	.031 <sup>*</sup>	.000	<.001	.03	.03
15	5	-.033 <sup>*</sup>	.000	<.001	-.03	-.03
	10	-.006 <sup>*</sup>	.000	<.001	-.01	-.01
	20	.025 <sup>*</sup>	.000	<.001	.02	.03
20	5	-.058 <sup>*</sup>	.000	<.001	-.06	-.06
	10	-.031 <sup>*</sup>	.000	<.001	-.03	-.03
	15	-.025 <sup>*</sup>	.000	<.001	-.03	-.02

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

## Homogeneous Subsets

### Difference

Tukey HSD<sup>a</sup>

Scale	N	Subset for alpha = 0.05			
		1	2	3	4
20	5	-.10			
15	5		-.07		
10	5			-.07	
5	5				-.04
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.