T-Test

Notes

Output Created		20-DEC-2022 03:11:49
Comments		
Input	Data	C:\Users\walee\OneDrive\Desktop\analysis\Results of All Data\AllDataAfterAlteringOutliersFull.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	112
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=GrdaesWithoutTypeHints WITH GrdaesWithTypeHints (PAIRED) /ES DISPLAY(TRUE) STANDARDIZER(SD) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02

[DataSet2] C:\Users\walee\OneDrive\Desktop\analysis\Results of All Data\AllDataAfterAlteringOutliersFull.sav

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Grdaes Without Type Hints	4.81	112	3.655	.345
	Grdaes With Type Hints	6.05	112	5.013	.474

Paired Samples Correlations

		N	Correlation	Significance One-Sided p	Significance Two-Sided p
Pair 1	Grdaes Without Type Hints & Grdaes With Type Hints	112	.796	<.001	<.001

Paired Samples Test

		Paired Differences Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the ... Lower
Pair 1	Grdaes Without Type Hints - Grdaes With Type Hints	-1.241	3.056	.289	-1.813

Paired Samples Test

		Paired ... 95% Confidence Interval of the ... Upper	t	df	Significance One-Sided p	Significance Two-Sided p
Pair 1	Grdaes Without Type Hints - Grdaes With Type Hints	-.669	-4.298	111	<.001	<.001

Paired Samples Effect Sizes

			Standardizer[a]	Point Estimate	95% ... Lower
Pair 1	Grdaes Without Type Hints - Grdaes With Type Hints	Cohen's d	3.056	-.406	-.598
		Hedges' correction	3.077	-.403	-.594

Paired Samples Effect Sizes

			95% ... Upper
Pair 1	Grdaes Without Type Hints - Grdaes With Type Hints	Cohen's d	-.213
		Hedges' correction	-.211

a. The denominator used in estimating the effect sizes.
Cohen's d uses the sample standard deviation of the mean difference.
Hedges' correction uses the sample standard deviation of the mean difference, plus a correction factor.

T-Test

Notes

Output Created		20-DEC-2022 03:13:02
Comments		
Input	Data	C:\Users\walee\OneDrive\Desktop\analysis\Results of All Data\AllDataAfterAlteringOutliersFull.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	112
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=GrdaesWithTypeHints WITH GrdaesWithoutTypeHints (PAIRED) /ES DISPLAY(TRUE) STANDARDIZER(SD) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Grdaes With Type Hints	6.05	112	5.013	.474
	Grdaes Without Type Hints	4.81	112	3.655	.345

Paired Samples Correlations

				Significance	
		N	Correlation	One-Sided p	Two-Sided p
Pair 1	Grdaes With Type Hints & Grdaes Without Type Hints	112	.796	<.001	<.001

Paired Samples Test

		Paired Differences				
					95% Confidence Interval of the ...	
		Mean	Std. Deviation	Std. Error Mean	Lower	
Pair 1	Grdaes With Type Hints - Grdaes Without Type Hints	1.241	3.056	.289	.669	

Paired Samples Test

		Paired ...			Significance	
		95% Confidence Interval of the ...				
		Upper	t	df	One-Sided p	Two-Sided p
Pair 1	Grdaes With Type Hints - Grdaes Without Type Hints	1.813	4.298	111	<.001	<.001

Paired Samples Effect Sizes

					95% ...
			Standardizer[a]	Point Estimate	Lower
Pair 1	Grdaes With Type Hints - Grdaes Without Type Hints	Cohen's d	3.056	.406	.213
		Hedges' correction	3.077	.403	.211

Paired Samples Effect Sizes

			95% ...
			Upper
Pair 1	Grdaes With Type Hints - Grdaes Without Type Hints	Cohen's d	.598
		Hedges' correction	.594

a. The denominator used in estimating the effect sizes.
Cohen's d uses the sample standard deviation of the mean difference.
Hedges' correction uses the sample standard deviation of the mean difference, plus a correction factor.