

T-Test

Notes

Output Created		27-FEB-2025 08:10:13
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	28
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=pretest WITH posttest (PAIRED) /ES DISPLAY(TRUE) STANDARDIZER(SD) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00,00
	Elapsed Time	00:00:00,02

[DataSet0]

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	pretest	75.5714	28	4.42575	.83639
	posttest	83.1786	28	4.44767	.84053

Paired Samples Correlations

			Significance	
			One-Sided p	Two-Sided p
	N	Correlation		
Pair 1 pretest & posttest	28	.806	<,001	<,001

Paired Samples Test

		Paired Differences				
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference	
					Lower	Upper
Pair 1	pretest - posttest	-7.60714	2.76672	.52286	-8.67997	-6.53432

Paired Samples Test

		t	df	Significance	
				One-Sided p	Two-Sided p
Pair 1	pretest - posttest	-14.549	27	<,001	<,001

Paired Samples Effect Sizes

				Point Estimate	95% Confidence Interval	
					Lower	Upper
Pair 1	pretest - posttest	Cohen's d	2.76672	-2.750	-3.562	-1.926
		Hedges'	2.84666	-2.672	-3.462	-1.872

correction				
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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.