

T-Tests – Knowledge, Importance, & Confidence

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Knowledge_Before	19	1.00	4.00	2.3026	1.06907
Knowledge_After	19	2.00	4.50	3.7105	.71328
Confidence_Before	19	1.00	4.00	2.1579	1.06787
Confidence_After	19	3.00	5.00	3.8684	.74241
Importance_Before	19	1.00	5.00	2.8684	1.25656
Importance_After	19	3.00	5.00	4.2368	.60938
Valid N (listwise)	19				

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Knowledge_Before	2.3026	19	1.06907	.24526
	Knowledge_After	3.7105	19	.71328	.16364
Pair 2	Confidence_Before	2.1579	19	1.06787	.24499
	Confidence_After	3.8684	19	.74241	.17032
Pair 3	Importance_Before	2.8684	19	1.25656	.28828
	Importance_After	4.2368	19	.60938	.13980

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Knowledge_Before & Knowledge_After	19	.568	.011
Pair 2	Confidence_Before & Confidence_After	19	.501	.029
Pair 3	Importance_Before & Importance_After	19	.424	.071

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
Pair 1	Knowledge_Before - Knowledge_After	-1.40789	.88667	.20342	-1.83526	-.98053	-6.921	18	.000
Pair 2	Confidence_Before - Confidence_After	-1.71053	.94745	.21736	-2.16718	-1.25387	-7.870	18	.000
Pair 3	Importance_Before - Importance_After	-1.36842	1.14069	.26169	-1.91822	-.81863	-5.229	18	.000