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EDG500
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Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Pretest	11.5556	9	2.29734	.76578
	Posttest	9.6667	9	2.23607	.74536

Paired Samples Correlations

		N	Correlation	Significance One-Sided p	Significance Two-Sided p
Pair 1	Pretest & Posttest	9	.527	.072	.145

Paired Samples Test

		Paired Differences					T
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper	
Pair 1	Pretest - Posttest	1.88889	2.20479	.73493	.19414	3.58364	2.570

Paired Samples Effect Sizes

			Standardizer[a]	Point Estimate	95% Confidence Interval Lower	Upper
Pair 1	Pretest - Posttest	Cohen's d	2.20479	.857	.065	1.611
		Hedges' correction	2.44243	.773	.059	1.454

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	PreTestCounseling	32.8000	10	4.61399	1.45907
	PostTestCounseling	33.9000	10	5.17365	1.63605

Paired Samples Correlations

		N	Correlation	Significance One-Sided p	Significance Two-Sided p
Pair 1	PreTestCounseling & PostTestCounseling	10	.823	.002	.003

Paired Samples Test

		Paired Differences					t
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper	
Pair 1	PreTestCounseling - PostTestCounseling	-1.10000	2.96086	.93630	-3.21807	1.01807	-1.175

Paired Samples Effect Sizes

			Standardizer[a]	Point Estimate	95% Confidence Interval Lower	95% Confidence Interval Upper
Pair 1	PreTestCounseling – PostTestCounseling	Cohen's d	2.96086	-.372	-1.005	.280
		Hedges' correction	3.23989	-.340	-.918	.256

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.

A. The pretest mean is 32.80.
B. The posttest mean is 33.90.
C. The value of t -1.175.
D. Since the value of *t* is negative, it has no bearing on significance. Significance is determined by the probability of the p-value.
E. The probability of .270 is greater than .05, so the difference is not statically significant.
F. The average scores increased from 32.80 (sd = 4.61) on the pretest to 33.90 (sd = 5.17) on the posttest. The difference between the two means is not statically significant at the .05 level (t = -1.175, df = 9).