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EDG 500

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	Two-Sided p
Pair 1	Pretest & Posttest	9	.527	.072	.145

Paired Samples Test

		Paired Differences							Significance	
			Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	One-Sided p	Two-Sided p
		Mean			Lower	Upper				
Pair 1	Pretest - Posttest	1.88889	2.20479	.73493	.19414	3.58364	2.570	8	.017	.033

Figure 13.7 SPSS Statistics output for the paired-samples *t* test.

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Before Counseling	32.8000	10	4.61399	1.45907
	After Counseling	34.0000	10	5.05525	1.59861

Paired Samples Correlations

		N	Correlation	Significance	
				One-Sided p	Two-Sided p
Pair 1	Before Counseling & After Counseling	10	.843	.001	.002

Paired Samples Test

		Paired Differences								Significance	
			Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference					One-Sided p	Two-Sided p
		Mean			Lower	Upper	t	df			
Pair 1	Before Counseling - After Counseling	-1.20000	2.74064	.86667	-3.16054	.76054	-1.385	9		.100	.200

Figure 13.2 SPSS Statistics output for the paired-samples _t_ test.

a. The mean for the pretest is 32.800.

b. The mean for the posttest is 34.000.

c. The value of _t_ is -1.385.

d. The associated probability is 0.200.

e. The difference between the pretest and posttest means is not statistically significant at the .05 level.

f. The average self-esteem score increased only slightly, from 32.800 (sd = 4.61) on the pretest before psychological counseling to 34.000 (sd = 5.05) on the posttest after psychological counseling. The difference between the two means is not statistically significant at the .05 level (t = -1.385, df = 9).