

Anthony Espinoza

EDG500

4/4/23

SPSS Chapter 13

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	Sig.
Pair 1	Pretest & Posttest	.527	.145

  

Paired Samples Test									
Paired Differences									
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
					Lower	Upper			
Pair 1	Pretest - Posttest	1.88889	2.20479	.73493	-.19414	3.58364	2.570	8	.033

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

Exercise Chapter 13

Paired Samples Statistics									
		Mean	N	Std. Deviation	Std. Error Mean				
Pair 1	Pretest	32.8000	10	4.61399	1.45907				
	Posttest	34.0000	10	5.05525	1.59861				

  

Paired Samples Correlations			
	N	Correlation	Sig.
Pair 1	Pretest & Posttest	.843	.002

  

Paired Samples Test									
Paired Differences									
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
					Lower	Upper			
Pair 1	Pretest - Posttest	-1.20000	2.74064	.86667	-3.16054	.76054	-1.385	9	.200

Figure 13.8. SPSS Statistics output for the paired-samples  $t$  test of pretest before psychological counseling and posttest after psychological counseling.

- A) The mean for the pretest is 32.80.
- B) The mean for the posttest is 34.00.
- C) The value of  $t$  is -1.39.
- D) The associated probability is .20.
- E) The difference between the pretest and the posttest is insignificant at the .05 level.
- F) The mean self esteem score increased only slightly from 32.80 ( $sd = 4.61$ ) on the pretest to 34.00 ( $sd = 5.05$ ) on the posttest. The difference between the two means is not statistically significant at the .05 level ( $t = -1.39$ ,  $df = 9$ ).