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EDG 500

Group Statistics

	Experimental and Control Groups	N	Mean	Std. Deviation	Std. Error Mean
Attitude Toward Drinking and Driving	Experimental Group	7	10.5714	1.61835	.61168
	Control Group	5	13.8000	2.28035	1.01980

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means							95% Confidence Interval of the Difference	
						Significance						
						One-Sided p	Two-Sided p	Mean Difference	Std. Error Difference			
		F	Sig.	t	df					Lower	Upper
Attitude Toward Drinking and Driving	Equal variances assumed	.071	.795	-2.886	10	.008	.016	-3.22857	1.11889	-5.72162	-.73553
	Equal variances not assumed			-2.715	6.808	.015	.031	-3.22857	1.18918	-6.05666	-.40048

Figure 14.11. SPSS Statistics output for independent-samples *t* test.

Group Statistics

	Experimental and Control Groups	N	Mean	Std. Deviation	Std. Error Mean
Calculus Final Examination Scores	Experimental	5	30.6000	4.87852	2.18174
	Control	5	30.8000	3.56371	1.59374

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means							
						Significance				95% Confidence Interval of the Difference	
		F	Sig.	t	df	One-Sided p	Two-Sided p	Mean Difference	Std. Error Difference	Lower	Upper
Calculus Final Examination Scores	Equal variances assumed	.675	.435	-.074	8	.471	.943	-.20000	2.70185	-6.43048	6.03048
	Equal variances not assumed			-.074	7.323	.471	.943	-.20000	2.70185	-6.53222	6.13222

Figure 14.2. SPSS Statistics output for independent-samples *t* test.

a. The mean for the experimental group is 30.60.

b. The mean for the control group is 30.80.

c. The value of *t* is -.074.

d. The associated probability is .943.

e. The difference between experimental group's mean and the control group's mean is not statistically significant at the .05 level.

f. At the end of the experiment, the mean for Group 1 (m =30.60, sd = 4.878) is slightly lower than the mean for Group 2 (m = 30.80, sd = 3.563). The difference between the two means is not statistically significant (*t* = -.074, d*f* = 8).