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 EDG 500
 SPSS 15

Step by Step for Chapter 15

Descriptives

Reported Pain Level

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Low Dosage	3	7.0000	1.00000	.57735	4.5159	9.4841	6.00	8.00
Moderate Dosage	3	5.6667	2.08167	1.20185	.4955	10.8378	4.00	8.00
High Dosage	3	2.0000	1.00000	.57735	-.4841	4.4841	1.00	3.00
Total	9	4.8889	2.57121	.85707	2.9125	6.8653	1.00	8.00

ANOVA

Reported Pain Level

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	40.222	2	20.111	9.526	.014
Within Groups	12.667	6	2.111		
Total	52.889	8			

Figure 15.7. SPSS Statistics output for a one-way ANOVA.
 Exercise for Chapter 15

Descriptives

Hours of Internet Usage (Weekly)

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Low SES	4	10.0000	1.82574	.91287	7.0948	12.9052	8.00	12.00
Middle SES	4	12.2500	1.70783	.85391	9.5325	14.9675	10.00	14.00
High SES	4	12.0000	2.16025	1.08012	8.5626	15.4374	10.00	15.00
Total	12	11.4167	2.02073	.58333	10.1328	12.7006	8.00	15.00

ANOVA

Hours of Internet Usage (Weekly)

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	12.167	2	6.083	1.672	.241
Within Groups	32.750	9	3.639		
Total	44.917	11			

- a. What is the mean for the Low SES group? 10.00
- b. What is the mean for the Middle SES group? 12.25
- c. What is the mean for the High SES group? 12.00
- d. What is the value of F ? 1.672
- e. What is the value of the associated probability? .241

- f. Are the differences among the means for the SES groups statistically significant at the .05 level? It is statistically insignificant at the .05 level.
- g. Write a statement of the results of the significance test.
Socioeconomic Status was reported on a scale on which lower levels indicated less status. For the high SES group, the mean reported Internet Usage was 12.00 ($sd=2.16$). The mean reported Internet Usage for the middle and low SES groups were, 12.25 ($sd=1.71$) and 10.00 ($sd=1.83$), respectively. The differences among the means are statistically insignificant at the .05 level ($F(2,9) = 1.672$, $p=.241$).