Example of what answer should look like for pg 73 #36 question

What is the design of your study? Will you compare group mean scores or examine a relationship between variables?

The design is a survey questionnaire, measuring individuals' usage of and attitudes toward social media and whether they gain a sense of life satisfaction from their social media usage. There are demographic questions, general social behavior questions, and a set of Likert-scaled questions. The relationship, or correlation, between social media behavior/use and life satisfaction will be examined.

Organization of group data to perform appropriate descriptive and inferential statistics:

The group data would have several categories, such as demographics, number of FB friends, and scores for the social media usage and the social media expectations/life satisfaction questions. All of the data could potentially be included in descriptive statistics showing the data results by demographics, while the data from the social behavior questions and the set of social media satisfaction questions would be needed to perform inferential statistical tests, also, in order to show the relationship that exists between social media and life satisfaction.

What descriptive statistics do you plan to use?

Some descriptive statistics that may be used include a table or graph and statistical commentary, or discussion of the data and the data analysis. In examining the frequency distribution, the means of such categories as number of friends could be displayed in a chart or graph, and we could see the shape of the distribution. Scores and standard deviations for the scores regarding the social media expectations/life satisfaction questions could be displayed in a table.

What inferential statistics do you plan to use? (Design of study largely determines inferential statistical procedures used)

For showing correlation, the Correlation Coefficient could be used (r), or a linear regression model, perhaps. This value ranges from -1.0 to 1.0. The -1 would reveal a perfect negative relationship, 0.0 no relationship, and +1 a perfect positive relationship, in testing correlation of two variables.

(I have to confess, I do not understand ANOVA. I took Applied Stats last summer, and we did not get to the ANOVA section! Thus, I am not entirely sure what sort of ANOVA would best apply. I am doing some reading to try to gain a bit of understanding!)