







Name

SPSS Assignment 2 Grading Rubric

Description

For this SPSS assignment use the database lynnroser_largedatabaseforanalysisav.sav In SPSS you will be 1) completing an independent t-test for two variables with gender being the group variable and phqtot (PHQ total score) being the dependent variable and 2) completing a one-way ANOVA using NYHA3grp (New York Heart Association Functional Classification for heart failure patients – line 44) as the grouping variable and phqtot as the dependent variable

Rubric Detail

Levels of Achievement	
Criteria	Points
Research Question and Null Hypotheses 	0 to 10 points Generate a research question and null hypothesis that would be appropriate for this independent t-test analysis.
Independent T-test Description 	0 to 10 points Briefly describe what the independent samples t-test examines (sample type and variables), its uses, and itsassumptions and limitations.
Independent T-test with Output 	0 to 15 points Follow Chapter 17 in your SPSS Manual and complete an independent t-test for two variables with gender being the group variable and phqtot (PHQ total score) being the dependent variable. Include in your analysis Levene’s Test and evaluate for differences between groups.
Results 	0 to 15 points Briefly describe and interpret your findings for the t-test, Levene’s Test, and the evaluation of differences. Include p-values and interpret significance or lack thereof and what this means for each analysis completed. Relate your findings back to your research question, null hypothesis, and study variables. Provide the supporting data from your analysis in your response.
Research Question and Null Hypotheses 	0 to 10 points Generate a research question and null hypothesis that would be appropriate for this one way ANOVA.
One-way ANOVA Description 	0 to 10 points Briefly describe what the one way ANOVA examines (sample type and variables), its uses, and assumptions and limitations.

One-way ANOVA with Output

0 to 15 points

Follow Chapter 18 in your SPSS Manual and complete a one-way ANOVA using NYHA3grp (New York Heart Association Functional Classification for heart failure patients – line 44) as the grouping variable and phqtot as the dependent variable. Include in your analysis Descriptive, homogeneity of variance test, Brown, Forsythe, Welch, and Means Plot. Be sure to click on the button marked Post Hoc and click on Tukey!

Results

0 to 15 points

Briefly describe and interpret your findings for the one-way ANOVA. Discuss and interpret the homogeneity of variance, robust tests of equality of means and the post hoc tests. Include p-values and interpret significance or lack thereof and what this means you're your analysis. Relate your findings back to your research question, null hypothesis, and study variables. Provide the supporting data from your analysis in your response.

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