

2019 PSY 511 Final Exam Take Home 2, Dec 5, 2019

In a study of whether heart attack patients had a second heart attack within 12 months of their first heart attack, many variables were used as **predictors including 'treatment of anger,' 'cholesterol,' 'smoking,' 'exercise,' and 'ethnicity.'** The outcomes were classified into two categories: '1=yes' and '0=no' of having a second heart attack. Use the dataset **HEARTATTCK5.SAV** to analyze the odds ratio of whether a patient had a second heart attack. Use **Variable View** tab to see how each variable is coded in the data set.

- a. Use only **significant predictors** in your analysis. Identify **the most significant predictor** in your analysis. Explain how you conduct the analysis to answer the question. Make sure to include **what procedure** you use, **which method** and **what predictors** are included in the model. (10 points)
- b. Evaluate the **effectiveness of the overall model** and **specify the equation** for the best model. Include SPSS output tables in your answers (5 points).
- c. **Interpret** the impact of each significant predictor on the odds ratio of having a second heart attack (5 points).