To-Do List

Complete Readings

The reading for this unit introduces us to the ideas involved in Binary Logistic Regression. Prediction of group membership on a categorical criterion variable is accomplished via a new idea, the “odds ratio,” which converts the dependent variable to a “logit.” Frequently, psychology professionals are interested in prediction of group membership from a categorical variable, and the use of Binary Logistic Regression has been growing in popularity in the research literature. Read Chapter 21 in your text, Applied Statistics. For a review of the reading, refer to the Chapter 21 PowerPoint in Doc Sharing.

Participate in Discussion Thread

50 pts

Binary Logistic Regression:
This discussion has two components:
1. Return to the hypothetical research hypothesis and dataset you created in the Unit 5 Discussion. Explain how you might convert your research hypothesis/question so that it would be appropriate for a Binary Logistic Regression analysis.
   a. What would change specifically?
   b. Compare and contrast how these changes would specifically be different in your bivariate regression analysis and your binary logistic regression analysis.
2. How would your dataset change?
   a. What underlying assumptions about the nature of your dataset would change?
   b. How would this influence your interpretation of the results?
   c. Provide a brief verbal summary of what you might expect your results to look like.

Attend Seminar

Seminar Topic
At the graduate level, seminars serve two purposes: they provide you with an opportunity to discuss the concepts from the reading as well as to apply, synthesize, and evaluate those concepts. The seminars will challenge you to analyze problems and situations that are similar to typical academic and clinical settings. Come to seminar prepared to discuss the following:
1. What are the major assumptions made about the data by the Binary Logistic Regression Model?
2. Define and discuss the interpretation of odds and odds ratios as they apply to assignment of “group membership” on the criterion variable.