

## **PSY 209: Important things to know for Quiz #4 (Friday, 3/9)**

6-7 quiz questions will be pulled from the questions listed. Note: all chapters refer to the Cozby textbook, 10<sup>th</sup> Edition.

### **Chapter 12**

- understand different ways of displaying frequency distributions: bar graphs, polygons, and histograms
- know how to calculate mean, median, mode, range, and what they mean, understand meaning of standard deviation
- know how to read a correlation coefficient (if you were to see  $-.40$ , for example, know what that means, and relative strength) and scatterplot

Review questions: 1, 4, 6, 7

Activity questions: 2, 5

### **Chapter 13**

- understand the theoretical basis of inferential statistics, what they signify
- know null and research hypotheses, rejection of the null hypothesis and statistical significance
- understand the concepts of probability and alpha level in inferential stats
- understand when  $t$  tests and  $F$  tests are used
- know Type I and Type II errors
- know reasons why one might fail to reject the null hypothesis

You'll need to understand which type of test (if applicable) is needed for **your** data, and how to use it, look it up in the table, and describe it.

Review questions: 1, 2, 4, 6, 8

Activity questions: 1

### **Chapter 14**

- Issues in generalization: generalizing from studies of college students, volunteers, gender and location
- Issues in cross-cultural generalization
- understand mundane versus experimental realism
- recognize the difference between exact and conceptual replications
- understand the difference between literature reviews and meta-analyses

Review questions: 1, 4, 5