Study Questions
Chapters 3, 4
Math 104
Fall 2015

Read chapters 3 - 4 in the textbook, and then answer the following questions based on the reading.

1. What is a *class interval*?

2. What do the areas of the blocks in a histogram represent?

3. What is a *distribution table*?

4. What is an *endpoint convention*?
5. How do you determine the height of a block in a histogram?

6. What does the height of a block in a histogram represent?

7. What is a variable?

8. What is the difference between quantitative and qualitative variables?

9. What is the difference between discrete and continuous quantitative variables?
10. How do you compute the *average* of a list of numbers?

11. What is the difference between a *cross-sectional* and a *longitudinal* study?

12. What is the *median* of a list of numbers?
13. How are the average and the median related to a histogram of a list of numbers?

14. What is the root mean square of a list of numbers?

15. What does the standard deviation of a list of numbers tell you?

16. How do you compute a standard deviation?