Study Questions
Chapters 5, 6
Math 104
Fall 2015

Read chapters 5 - 6 in the textbook, and then answer the following questions based on the reading.

1. Fill in the blanks.
   (a) The area under the normal curve between −1 and +1 is about 
   (b) The area under the normal curve between −2 and +2 is about 
   (c) The area under the normal curve between −3 and +3 is about 

2. How do you convert a value to standard units?

3. What is the normal approximation?
4. What is a *percentile*?

5. What is the *interquartile range*?

6. What is the difference between a percentile and a *percentile rank*?

7. How do we know the likely size of a chance error in measurement?
8. What is an outlier?

9. What effect do outliers have on the SD?

10. What is the difference between bias and chance error?