STAT 217 – Quiz 7 (Sampling)

Taken on Wed Jan 21. Please work individually. You may use your notes.

Recall that we took samples of words from the population of words in the Gettysburg Address, for which the average length of a word is 4.295 letters.

1. Is the number 4.295 a parameter or a statistic?

2. When you put your dot on the board, what was the variable?

3. What about the graph on the board indicated that the sampling method was biased?

4. Would selecting words by closing your eyes and pointing at the page 10 times produce an unbiased sampling method? Explain briefly.

5. With random sampling, does taking a larger sample produce more or less or the same variability in the values of sample means/averages? (Answer MORE or LESS or SAME.)