Quiz 2: Sampling

Taken on Wed Jan 7. 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 were the observational units?

3) When you put your dot on the board, what was the variable?

4) Would selecting words by closing your eyes and blindly pointing to the page be an unbiased sampling method? Explain why or why not.

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.)