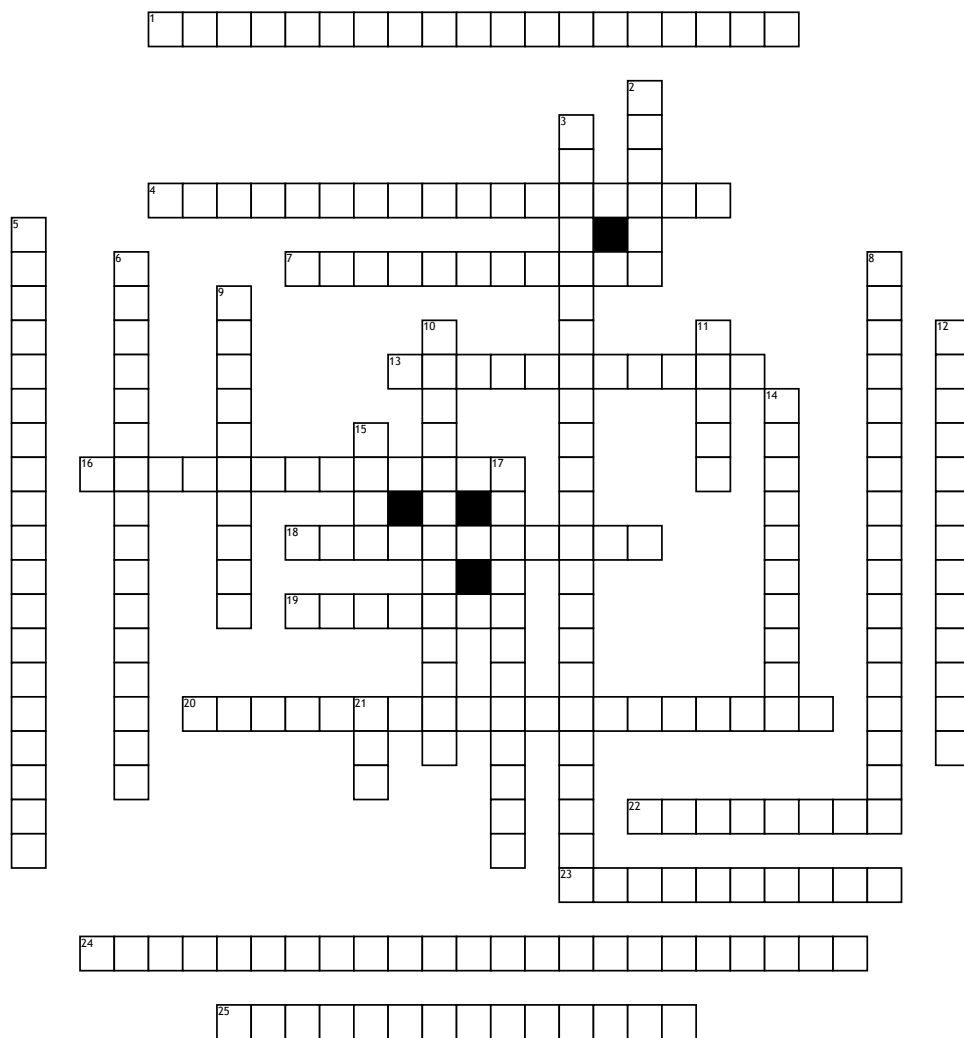# Midterm Review Crossword Puzzle

Across

1. A question that can be answered by collecting data and where there will be variability in the data

4. A measure of the amount of variation of a set of values.

7. A statistical measure that indicates the extent to which two or more variables fluctuate together

13. Objects described by a set of data

16. Maximum expected difference between the true population parameter and a sample estimate of that parameter

18. A variable whose effect on the response variable cannot be untangled from the effects of the treatment

19. A neutral treatment that has no "real" effect on the dependent variable

20. How much an estimate varies between samples

22. An attribute that describes a person, place, or thing

23. A controlled study in which the researcher attempts to understand cause and effect relationships

24. A sample made up of volunteers

25. Estimate values that go beyond a set of given data or observations

Down

2. The middle point of a data set

3. The difference between two groups is judged to be significant when p = 0.05 or less.

5. A variable that can take a variety of values

6. Where study participants are randomly assigned to a study group

8. This sample is taken from a group of people easy to contact or to reach

9. People have the option to not participate in the survey or

10. occurs when some members of the population are inadequately represented in the sample

11. The rate of change in y as x changes

12. A study in which the researcher simply observes the participants with no interference

14. When x=0

15. The average

17. each member is given an equal probability of being chosen

21. A measure of variability based on dividing a data set into quartiles

Word Bank

Y-Intercept
Voluntary response sample
Random Sample
Statistical Question
Margin of Error
Individuals
Categorical Variable

Mean
Variable
Random Assignment
Standard Deviation
Placebo
Correlation

Experiment
Statistical Significance
Extrapolations
IQR
Sampling Variability
Convenience sample

experiment
Undercoverage
Median
Confounding
Observational
Slope