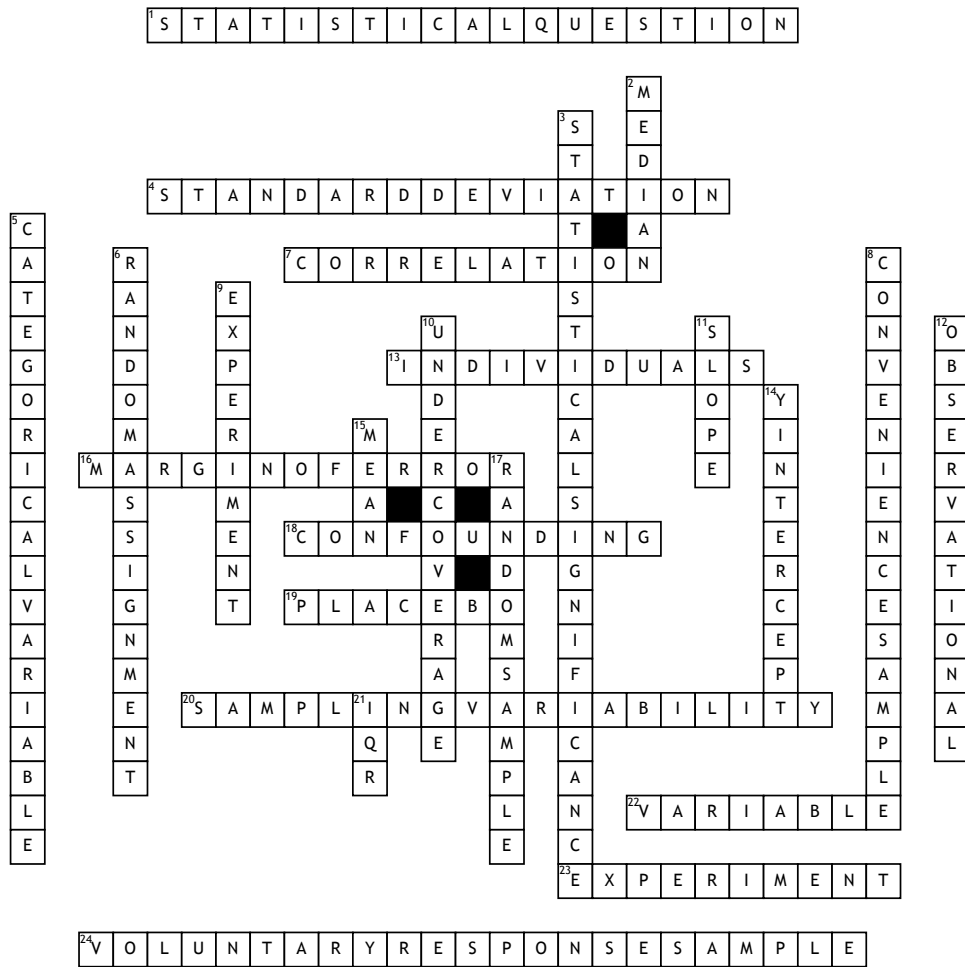


Name: _____

Date: _____

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

Word Bank

Margin of Error
Extrapolations
IQR
Categorical Variable
Individuals
Observational
Statistical Question

Confounding
Median
Statistical Significance
Y-Intercept
Experiment
Undercoverage

Standard Deviation
Voluntary response sample
Correlation
Variable
Mean
Slope

experiment
Random Assignment
Placebo
Convenience sample
Random Sample
Sampling Variability

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