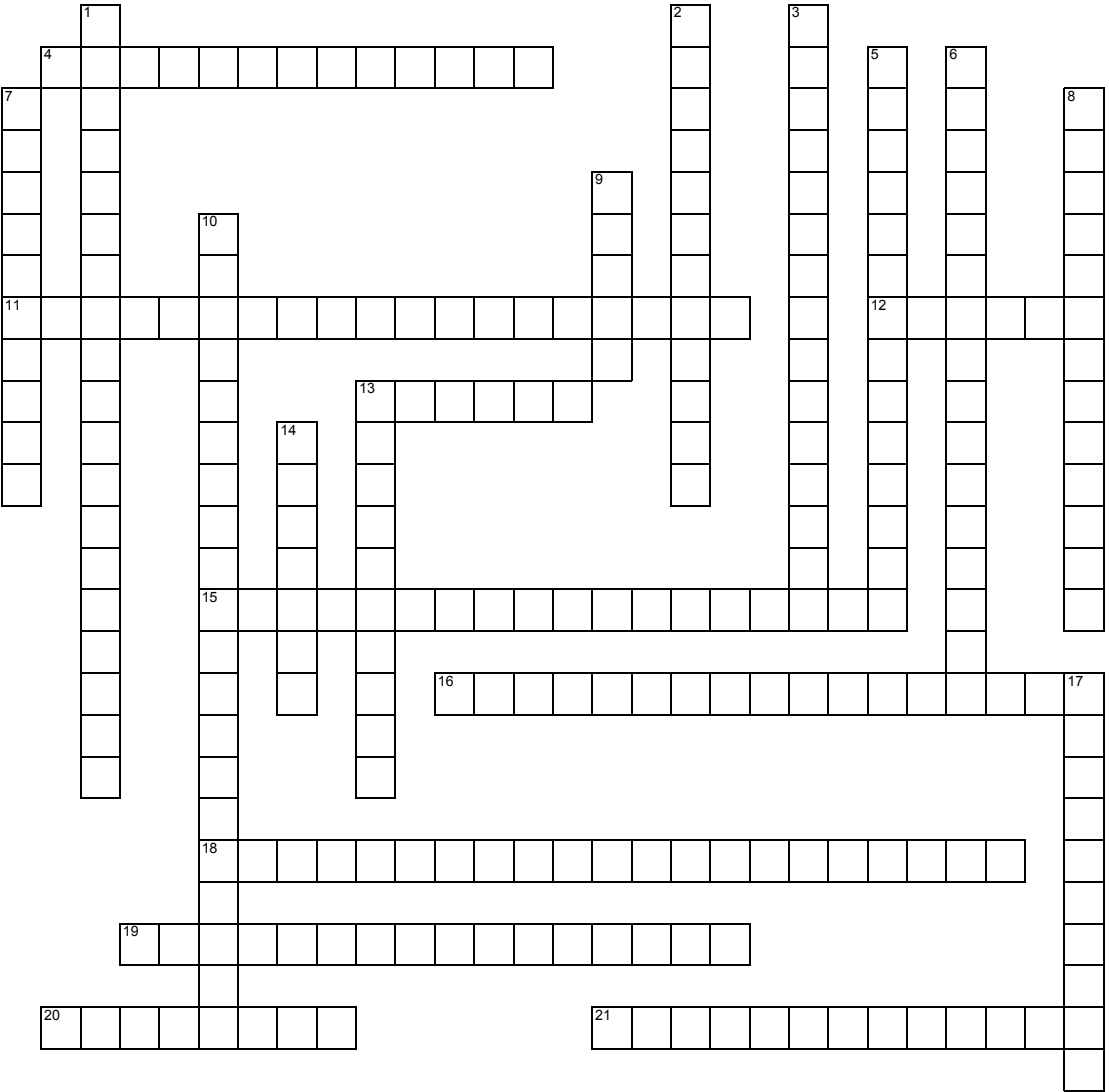
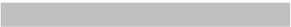


Crossword Puzzle



Across

4. a mathematical formula to determine the likelihood of obtaining a sample outcome if the null hypothesis is true
11. the chi-square _____ is used to determine if frequencies observed fit well with frequencies expected
12. the probability of obtaining a sample outcome, if the value stated in the null hypothesis is true
13. the discrepancy between what was observed in a sample and what was expected in the population
15. significance tests for data that can have any type of distribution and are on a nominal or ordinal scale of measurement
16. the likelihood that an interval estimate will contain an unknown population parameter
18. procedures that allow researchers to generalize observations made with samples to a larger population
19. the upper and lower boundaries of a confidence interval given within a specified level of confidence
20. an effect size estimate for the chi-square test for independence
21. a sample statistic used to estimate a population parameter

Down

1. a criterion of judgment upon which a decision is made regarding the value stated in a null hypothesis
2. when we reject the null hypothesis, we say that we have reached this
3. significance tests for data that are normally distributed and measured on an interval or ratio scale of measurement
5. a statement about a population parameter that is assumed to be true
6. the interval within which an unknown population parameter is likely to be contained

7. a statistical measure of the size or magnitude of an observed effect in a population
8. the chi-square _____ test is used to determine if observed frequencies are similar to or different from expected frequencies across the levels of two categorical factors
9. the probability of rejecting a false null hypothesis
10. a measure of effect size in terms of the percent of variability in a dependent variable that can be explained by the levels of a factor
13. a statistical procedure in which a sample statistic is used to estimate the value of an unknown population parameter
14. a measure of effect size for the mean shift in scores from the population mean stated by the null hypothesis
17. a proportion of variance used to describe effect size for data analyzed using an ANOVA