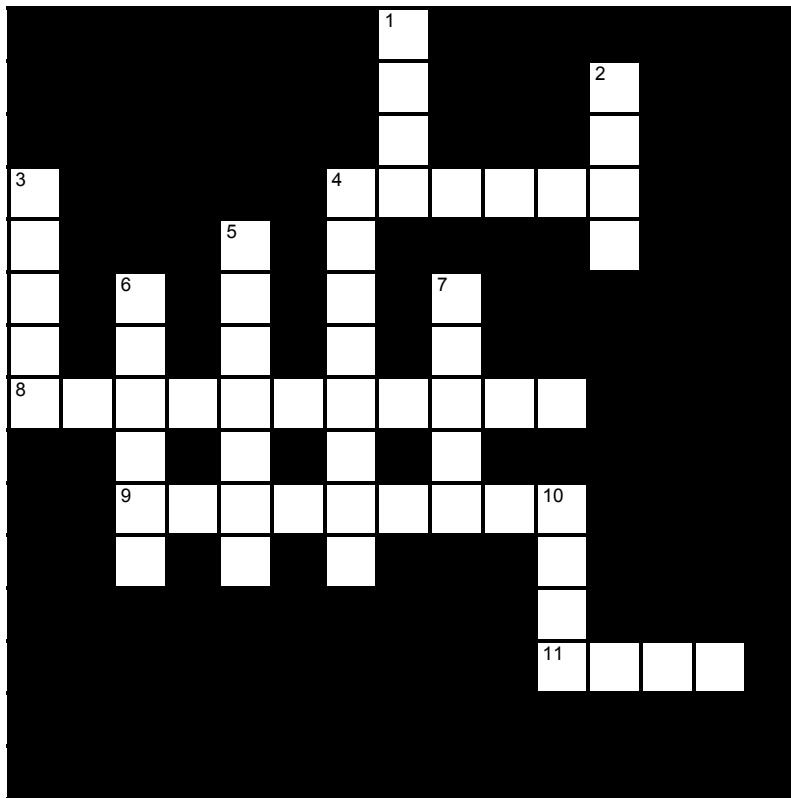# Introduction to Hypothesis Testing

Across

4 Decision regarding the null hypothesis when the probability obtained is less than or equal to the alpha level. (6)

8 "The completion of crossword puzzles will lead to increased quiz scores" is an example of this type of hypothesis (11)

9 When the alpha level is made more stringent, the likelihood of a Type II error _____. (9)

11 This type of hypothesis, abbreviated with an H followed by a subscript zero, asserts that the independent variable has no effect. (4)

Down

1 The ___ of the effect is helpful in differentiating results that are important from those that are merely significant. (4)

2 The probability of making a Type II error. (4)

3 The _____ level is set by the researcher a priori to limit the probability of making a Type I error. (5)

4 In a _____ measures design, the same participants are exposed to two or more levels of the independent variable. (8)

5 The type of decision made when the researcher rejects the null hypothesis when there is indeed a real effect of the independent variable. (7)

6 Decision regarding the null hypothesis when the probability obtained is greater than the alpha level. (6)

7 In a distribution, the name for the parts of the curve away from the center (plural). (5)

10 This test makes use of the binomial distribution to determine whether the number of pluses are likely due to chance. (4)