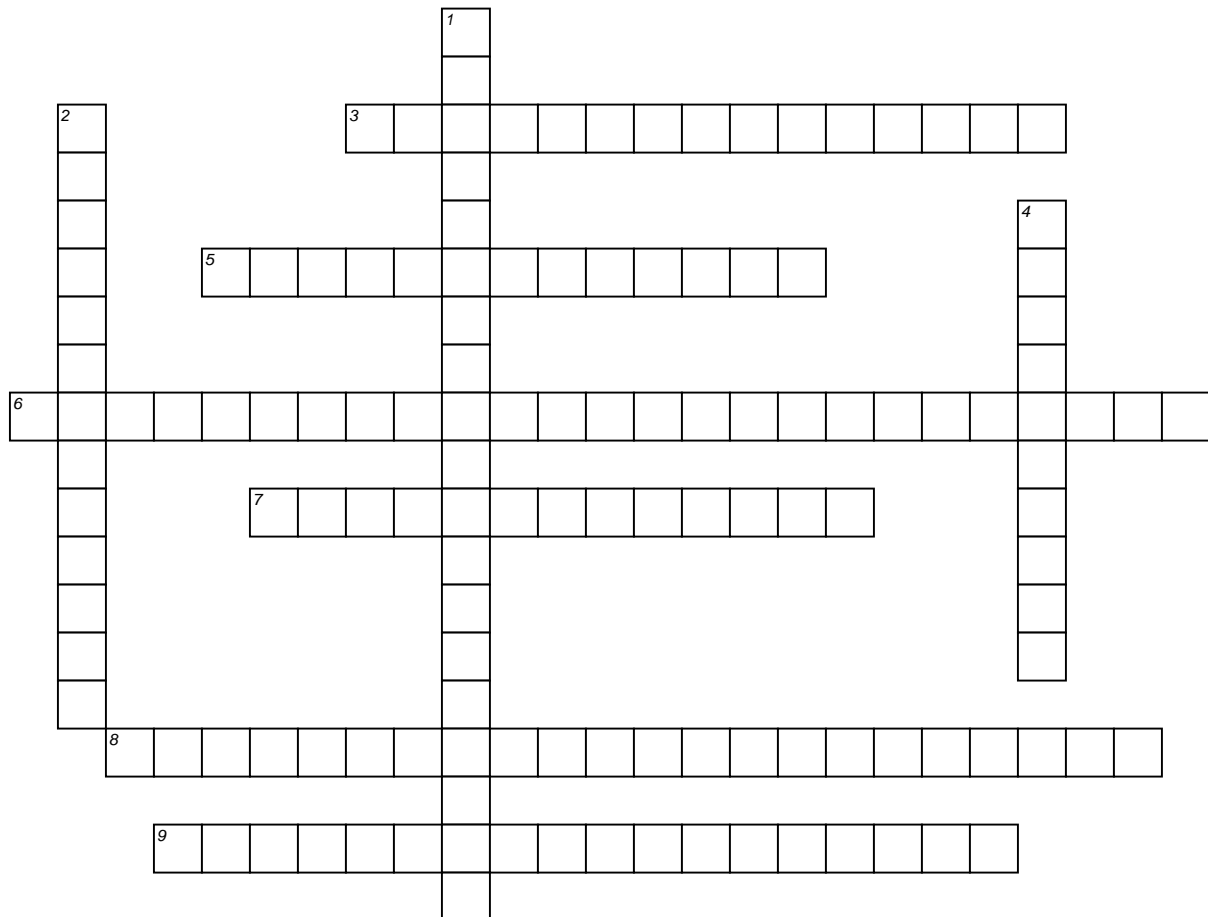


Confidence Intervals for Proportions

Advanced Placement Statistics



Stats: Modeling the World, Chapters 18-19

ACROSS

- 3** proportion of all samples of size n that will produce a statistic within a corresponding margin of error of the true parameter
- 5** when we estimate the standard deviation of a sampling distribution using statistics found from the data
- 6** shows the behavior of the statistic over all the possible samples for the same size n
- 7** extent of the interval on either side of the observed statistic value
- 8** confidence interval for the true value of a proportion
- 9** an interval of values usually of the form estimate \pm margin of error

DOWN

- 1** states that the sampling distribution model of the sample mean (and proportion) is approximately Normal for large n , regardless of the distribution of the population, as long as the observations are independent
- 2** number of standard errors to move away from the mean of the sampling distribution to correspond to the specified level of confidence
- 4** number of successes out of a whole