

STA13 - Week 9 Study Objectives

You should be able to

1. Define a Confidence Interval (CI) in words, referring to the probability (or confidence) that the true parameter value is contained in the interval.
2. Identify incorrect interpretations of the CI.
3. Describe the difference in the widths of CI's from the same data but with different confidence levels. Describe the difference in the widths of CI's with the same confidence level but different sample sizes.
4. Calculate the sample size needed to estimate the population proportion to within an amount B , where B is called a bound on the error of estimation. Calculate the sample size needed to estimate the population mean to within an amount B .