

CHAPTER OVERVIEW

9: Confidence Intervals

In this chapter, you will learn to construct and interpret confidence intervals. You will also learn a new distribution, the Student's-t, and how it is used with these intervals. Throughout the chapter, it is important to keep in mind that the confidence interval is a random variable. It is the population parameter that is fixed.

[9.1: Prelude to Confidence Intervals](#)

[9.2: A Single Population Mean using the Normal Distribution](#)

[9.3: A Single Population Mean using the Student t-Distribution](#)

[9.4: A Population Proportion](#)

[9.5: Confidence Interval - Home Costs \(Worksheet\)](#)

[9.6: Confidence Interval -Place of Birth \(Worksheet\)](#)

[9.7: Confidence Interval -Women's Heights \(Worksheet\)](#)

[9.E: Confidence Intervals \(Exercises\)](#)

[9.S: Confidence Intervals \(Summary\)](#)

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