

CHAPTER OVERVIEW

5: 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.

[5.1: Prelude to Confidence Intervals](#)

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

[A Single Population Mean using the Normal Distribution \(Exercises\)](#)

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

[5.4: A Population Proportion](#)

[5.5: Confidence Intervals \(Exercises\)](#)

[5.6: Confidence Intervals \(Summary\)](#)

Contributors

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