

CHAPTER OVERVIEW

8: 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.

8.0: Prelude to Confidence Intervals

8.1: A Single Population Mean using the Normal Distribution

8.1E: A Single Population Mean using the Normal Distribution (Exercises)

8.2: A Single Population Mean using the Student t-Distribution

8.3: A Population Proportion

8.4: Confidence Interval - Home Costs (Worksheet)

8.5: Confidence Interval -Place of Birth (Worksheet)

8.6: Confidence Interval -Women's Heights (Worksheet)

8.E: Confidence Intervals (Exercises)

8.S: Confidence Intervals (Summary)

Contributors and Attributions

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