

## CHAPTER OVERVIEW

### 8: The Central Limit Theorem

In Chapter 3, we explored the sample mean  $\bar{X}$  as a statistic that represents the average of quantitative data. When sampling from a population, the sample mean could be many different values. Therefore, we now want to explore the sample mean as a random variable

[8.1: The Central Limit Theorem for Sample Means](#)

[8.2: The Central Limit Theorem for Sample Proportions](#)

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