

CHAPTER OVERVIEW

3: Descriptive Statistics

In the prior section, methods of organizing data into tables and graphs were shown as a way of analyzing the data. By observing graphs, we can describe the central tendency (center), the variability (spread), shape (skewness) and unusual features (outliers) of the data. In this section, we will explore statistics that can be calculated from the data and that can help describe and analyze the data.

[3.1: Measures of Central Tendency](#)

[3.2: Measures of Variability](#)

[3.3: Measures of Relative Standing](#)

[3.4: Box Plots \(Box and Whisker Plot\)](#)

[3.5: Working with Outliers](#)

[3.6: Bivariate Data](#)

[3.6.1: Graphing Bivariate Data with Scatterplots](#)

[3.6.2: Correlation Coefficient](#)

[3.6.3: Correlation vs. Causation](#)

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