Chapter Outlines

# Chapter 2: Summarizing Data: Frequency Distributions in Tables and Graphs

## Chapter Outline

2.1 Why Summarize Data?

2.2 Frequency Distributions for Grouped Data

Simple Frequency Distributions

Cumulative Frequency

Relative Frequency

Relative Percentage

Cumulative Relative Frequency and Cumulative Percentage

2.3 Identifying Percentile Points and Percentile Ranks

2.4 SPSS in Focus: Frequency Distributions for Quantitative Data

2.5 Frequency Distributions for Ungrouped Data

2.6 Research in Focus: Summarizing Demographic Information

2.7 SPSS in Focus: Frequency Distributions for Categorical Data

2.8 Pictorial Frequency Distributions

2.9 Graphing Distributions: Continuous Data

Histograms

Frequency Polygons

Ogives

Stem-and-Leaf Displays

2.10 Graphing Distributions: Discrete and Categorical Data

Bar Charts

Pie Charts

MAKING SENSE—Deception Due to the Distortion of Data

2.11 Research in Focus: Frequencies and Percentages

2.12 SPSS in Focus: Histograms, Bar Charts, and Pie Charts

Chapter Summary Organized by Learning Objectives

Key Terms

End-of-Chapter Problems

Factual Problems

Concepts and Application Problems

Problems in Research