

## CHAPTER OVERVIEW

### 1: Sampling and Data

Included in this chapter are the basic ideas and words of probability and statistics. You will soon understand that statistics and probability work together. You will also learn how data are gathered and what "good" data can be distinguished from "bad."

- 1.1: Introduction
- 1.2: Definitions of Statistics, Probability, and Key Terms
- 1.3: Data, Sampling, and Variation in Data and Sampling
- 1.4: Frequency, Frequency Tables, and Levels of Measurement
- 1.5: Experimental Design and Ethics
- 1.6: Data Collection Experiment (Worksheet)
- 1.7: Sampling Experiment (Worksheet)
- 1.8: Sampling and Data (Exercises)

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