

CHAPTER OVERVIEW

1: The Nature of Statistics

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."

1.0: Introduction

1.1: Descriptive and Inferential Statistics

1.2: Variables and Types of Data

1.2.1: Levels of Measurement

1.3: Data Collection and Sampling Techniques

1.5: Computers and Calculators

1.5.1: Using Spreadsheets for Statistics

1.4: Experimental Design and Ethics

1.4.1: More on Experiments

1.4.2: Observational Studies and Sampling Strategies

1.E: Sampling and Data (Optional Exercises)

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