

Part VI

Sampling

Chapter 19: Sample Surveys

This chapter discusses the issues in sampling and shows how sampling error arises in a probability method.

Section 19.1: A brief introduction. Read it carefully.

Section 19.2: Just read.

Section 19.3: Just read.

Section 19.4: See the box on page 340.

Section 19.5: Just read.

Section 19.6: Read lightly.

Section 19.7: Read lightly.

Section 19.8: This section contains important ideas.

Chapter Summary: pages 353 and 354: points 1–4 and 9 are important.

Review Exercises

Homework (pages 352 and 353): 10, 11

Comments on HW:

For problem 10, it will be helpful to refer to the histogram at the bottom of page 315.

Problem 11 seems fanciful and unnecessary, but it is precisely this type of uncertainty that the methods of the rest of the course will address. The general rule in part (c) and its associated probability in part (d) will have analogues in soon-to-be-presented methodologies.

On pages 351 and 352: also look at problems 2, 5, 8, 9; and of lesser importance problems 1, 3, 4, 6, 7.