Chapter 27: More Tests for Averges

Section 27.1: Suggested problems for study: A: page 503: 1–4, 6; and, not as important, 5.

Section 27.2: Comparing Two Sample Averages or Two Sample Percentages. Suggested problems for study: B: pages 506, 507, and 508: 1–3, 5–7; and for extra practice: 4 and 8.

Section 27.3: Omit.

Section 27.4: Omit.

Section 27.5: Omit.

Chapter Summary: pages 521 and 522: look at points 1–5, but they are not too important.

Review Exercises

Homework (page 518): 1, 2(a), 3 (*These problems are very important.*) Not assigned Fall 2017 Comment on the homework problems:

For Problem 1: first decide if it is a one-sample test or a two-sample test. If it is not a two-sample test, it must be a review problem from chapter 26, section 5.

The methods of section 26.5.

- State the null and alternative hypotheses.
- Set up a 0-1 box for the null hypothesis.
- Find the SD by the short-cut.
- Find the expected value and standard error of the sum.
- Adjust the endpoint of the interval by either plus or minus 1/2 (as required).
- Find the standard units for the statistic.
- Using the normal curve, find P.
- Finally: make the correct decision.

For problems 2a and 3: use the method of example 3, pages 505 and 506.

Look at problem 5 on pages 518 and 519; and, for extra practice, problem 6 on page 519; and, for a more tricky example, problem 10 on page 521.