

## Chapter 29: A Closer Look at Tests of Significance

This chapter has a few important tips on how properly to use and interpret significance tests.

Section 29.1: Suggested problems for study: A; pages 546 and 547: (all) 1 and 2.

Section 29.2: A very important section. It explains a very common misuse of statistics.

Also, two-tail tests are introduced.

Note the box on page 547.

Suggested problems for study: B: page 552: 5 through 8 .

Section 29.3: Note the box on page 553.

Suggested problems for study: C: page 554: 1–3 and 5; (less important): 4 and 7 on pages 554–555.

Section 29.4: A key idea for this course. Note the boxes on pages 555 and 556.

Suggested problems for study: D: pages 558 and 559: 1 through 3; and (less important) problem 5 on page 559.

In section 29.5, note the box on page 560.

**Chapter Summary:** page 576: points 1–5 and 7–9 are worthwhile.

**Homework: Not assigned Fall 2107** (page 563) 1, 2, 4

Also consider problem 8 in the Review Exercises on page 564, and also look at the less important problems 5, 7, and 9.

### **Special Review Exercises: Review of the whole course**

Look at problems 8, 10, 12, 14, 20, 27(b), 30, 31, and 40 on pages 567 through 575.

**Of these problems 8, 10, 12, 27(b), and 31 should prove most useful when reviewing for the last test or the final examination.**

Also (but not as important) consider 6, 7, 11, 16, 21, 22, 25, 26, 33, 34, 38, and 39 on pages 567 to 575.