

## Chapter 11: The R.M.S. Error for Regression

Section 11.1: Important box: page 182

Suggested problems for study: A: page 184: 1–3, 5–7, and 8 (a); and, less important, 4.

Section 11.2: Important formula: top box on page 186.

Suggested problems for study: B: page 187: (all) 1–3.

Section 11.3: (light treatment) Suggested problems for study: C: pages 189–190: (all) 1–3.

Section 11.4: Suggested problems for study: D: pages 193–195: 1, 2, 4, 5, 7; and (less important) 3.

Section 11.5: This is a difficult and complicated section that will not be overly emphasized.

Suggested problems for study: E: page 197: 1; and (more examples) page 198: 2 and 3.

**Chapter Summary:** page 201: 1, 3 (important), 4 (important).

### Review Exercises

**Homework** (pages 198, 199, and 201): 1, 3, 4, 12

### Comments on HW:

Problems 1 and 3 are simple and illustrate the main calculation in this chapter.

Problem 4(a) is a bit tricky. Think of the normal curve and look for an area close to  $1/3$ .

Problem 4(b) is a review exercise from Chapter 10.

For problem 12, start by estimating the average blood pressure for men at his educational level.

To go deeper into the chapter's ideas, look at problems 5(a), 6, and 7 on page 199.