These are good chapters for you to bring your understanding of statistics to the course. Most students already know much about the ideas in these chapters. And most students find them to be interesting. So these are good chapters for you to read on your own to see which ideas you had already thought of and which are new!

### Chapter 8.

**Informal homework:** In StatsPortal,

1. In Chapter 8, open the Personalized Study Plan, which is at the top of the Chapter 8 menu. Take the Pretest. This shows what you know BEFORE you do the learning activities. It’s OK if the score is low, of course.

2. For each of the sections that you need to work on EITHER read the section in the book (or in StatsPortal) OR go through all the videos in StatTutor in StatsPortal for that chapter. Take notes on anything you want to ask about.

3. Ask a question in the Blackboard Discussion Board about some example or exercise in the chapter OR answer a question from another student about some example or exercise in the chapter.

4. Go back to the Personalized Study Plan. Take the Posttest. This shows what you know after doing the at-home learning activities.

ALL of the above is due by the end of Sunday, Jan. 22. (Normally these will be due by the end of Friday, but since we only had one class day this week, I am allowing a little more time.)

**Alternative Informal Homework:** (If you don’t have StatsPortal yet.)

I posted Chapter 8 on the web from http://www.tlok.org/stat/ Use that to read the chapter, and write out your solutions to these problems, which are scattered throughout the reading. 8.1, 8.3, 8.5, 8.7, 8.9, 8.11, 8.13, 8.15. These don’t have to be particularly neat - just enough to show that you thought about it more than just reading the answer key! However, do check your work against the answer key “in the back of the book.” (Also available from the above URL) Use this to find out what questions you need to ask.

**Turn in your Journal report** at the beginning of class on Monday. For each of Chapters 8 and 9, write which set of informal homework you did. If you did the problems 8.1, etc. from the alternative informal homework, turn in those. (I can see the work you did in StatsPortal, so you don’t have to show me that work on paper.)

**Formal Homework:** 8.25, 8.29, 8.31, 8.33, 8.37, 8.38, 8.39, 8.41, 8.45, 8.47
Complete these by the end of the following week – by about Jan. 27. This gives you plenty of time to ask questions and get answers to anything you don’t understand.

Prepare these to turn at the time of Test 1 – all the formal homework on Chs 8, 9, 1, and 2 will be turned in together. In writing your paper, spread out your work - skip at least five lines between the problems. If you later think of something you need to write or comment on for that problem, you can write it in that blank space. Label each page of your homework clearly at the top with what chapter and what problems are included on it.

Chapter 9:

**Informal homework:** In StatsPortal, do the Pretest in the Personalized Study Plan, read the chapter or watch the videos, write something in the Discussion Board for Chapter 9, and then do the Postest in the Personalized Study Plan.

**Alternative Informal homework:** Read the chapter and, as you go through it, work these problems which are scattered through the sections. 9.1, 9.3, 9.5, 9.7, 9.9, 9.11, 9.13, 9.15, 9.17. Check your solution against the answer “in the back of the book.”

**Journal report:** See the instructions under Chapter 8. Do the same for this Chapter 9 work.

**Formal homework:** 9.29, 9.31, 9.35, 9.37, 9.43, 9.44, 9.47, 9.48, 9.49. Follow the same instructions as for the Chapter 8 work.

When you are asked to outline an experiment, or draw a diagram, that means a diagram like Figure 9.3, 9.4, or 9.5. Look at the parts and labeling of those carefully.

**Data Ethics Commentary**

Most people find the concepts here to be quite interesting. To summarize – “What is fair to the people from whom data is collected?” I’m sure you care about that if someone is collecting data on you.

Read at least a couple of sections of this chapter, and post a comment or question on the Discussion Board.

**Formal homework:** 1, 3, 7, 11, 13, 15, 17. For 13, 15, 17, you aren’t required to include explanations. I strongly suggest that you discuss each of these on the Discussion Board before you get really committed to one specific answer.

Turn in this with the rest of the Formal homework for chapters 8, 9, DE, 1, and 2.