

**Week 1 Reading and Exercises**  
**STT 421: Summer, 2004**  
**Vince Melfi**

Here are reading assignments and exercises we'll be covering during the week of May 16th. The assignments are listed on the days we'll be covering the material in class. Note that I'll always expect you to read a chapter introduction when we begin readings in that chapter. So, for example, I'll expect you to read the introductions to Chapters 1 and 2 this week. Unless I explicitly indicate otherwise, you can skip the "beyond the basics" sections.

**Monday, May 17**

- Section 1.1. Main topics include histograms, bar plots, and time plots. Skip pie charts. We won't cover much of this material explicitly in class, so I'll expect you to learn it from the text. Exercises are 1.1, 1.5, 1.7, 1.15, 1.17, 1.27, 1.37.
- Section 1.2. Main topics include mean, median, quartiles, IQR, boxplots, and standard deviation. Don't skip anything. Exercises are 1.41, 1.45, 1.47, 1.49, 1.59, 1.61, 1.65, 1.67 (use SAS).

**Wednesday, May 19**

- Section 1.3. Main topics are density curves, skew, normal densities, and the standard normal density. Skip normal quantile plots. Exercises are 1.77, 1.83, 1.85, 1.87, 1.89, 1.91, 1.93, 1.97, 1.99, 1.103, 1.106.
- Section 2.1. Main topics include scatter plots. Skip scatterplot smoothers (pp. 112–114). Exercises are 2.2 and 2.7.

**Friday, May 21**

- Section 2.2. Read the whole section. Exercises are 2.21 (do this without using SAS or another statistical package), 2.32, and 2.34.
- Section 2.3. Read the whole section. Exercises are 2.40 (use SAS), 2.49, and 2.56.

**Homework to be collected on Friday, May 21**

Write up and turn in Exercises 1.37, 1.45, 1.67, 1.85, 1.106. Remember that you can turn in one assignment per team. Just remember to put all team members' names on the assignment.