

22S:30/105, Statistical Methods and Computing

Instructor: Cowles

Spring 2015, Homework 5

Due: Wed., 02/25 in class

Please put your name at the top of your homework, and list the names of any classmates with whom you collaborated.

Please staple your homework! In an SAS problems, indicate which section of output goes with each problem and exactly which numbers are used.

1. Textbook problems: 7.42, 7.43, 7.44. The data is on the course web page as “tanana.dat.” Use SAS.

For problem 7.43(a), just make a scatterplot of the data. (A time plot is basically a scatterplot of a variable versus time, with the points connected by lines, so you can get the same idea from a scatterplot.)

For problem 7.43(b), fit the regression model but you do not need to overlay the line on your scatterplot.

2. Textbook problems: 8.22, 8.28 (use Table B), 8.41
9.4, 9.8, 9.14, 9.19, 9.21, 9.22