

## STAT:2010/4200, Statistical Methods and Computing

Instructor: Cowles

Spring 2017, Homework 5

Due: Mon., 02/27 in class

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

Please put all of your homework in a single document. In any SAS problems,

- include all of your SAS code
- 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