

22S:166 Fall 2008
Instructor: Cowles
Homework 3

See reading assignment under Web Resources on course web page.

Problems (due Fri. 9/19):

If you are new to R, do the following:

1. Download the BaP dataset from the course web page. Conduct a brief analysis to address the question of whether the center of the population of outdoor values is the same as the center of the population of indoor values. Determine which measure of center is appropriate for these data. Carry out the appropriate test. Your answer should include R code and output, and written sentences justifying your steps, and] interpreting the results.
2. Problems from the online book called Using R by Verzani (under Web Resources). Note that the associated R library is called "UsingR", not "Simple."

2.6 (p. 8), 3.4 (p. 19), 10.3 (p. 68)

If you are familiar with R and need more challenge, do these instead:

1. Problems from the online book called Using R for Data Analysis and Graphics by Maindonald (under Web Resources):

problem 5, p. 20

problem 2, p. 30

2. all the problems on p. 61 (you don't have to turn these in)

Submit your homework electronically through ICON by Fri. 9/19 in the form of a text file containing all of your R code and the text output. For now, you may just describe any graphical output that you produce. (We will learn during the week of 9/15 how to embed R code, output, and graphics into LaTeX documents, but you don't need to do that for this homework!