22S:30/105, Statistical Methods and Computing
Instructor: Cowles; Spring 2014, Homework 7

Due: Fri. Mar 28 in class.
Remember to turn in your SAS code and any SAS output that is directly relevant to the question being answered.

1. Textbook problems: 14.12, 14.13, 14.14, 14.20, 14.26 (see below), 15.20, 15.22, 15.28, 15.34, 15.39 (see below), 15.42

   For problem 14.26, the data are on the course web page as "boneloss.dat." If you wish, you may use SAS for the stemplot and to compute $\bar{x}$. However, you will need to calculate the confidence interval by hand, because SAS does not make the assumption that $\sigma$ is known. In addition to the 99% c.i. requested in part (b), calculate an 80% c.i.

   For problem 15.39, do it by hand using the $\bar{x}$ that you got in 14.26.