

# Statistics 528: Homework 1

Due Wednesday, January 14

1. Getting Started with MINITAB: Work through MINITAB Handout 1. Using the alfalfa data, carry out the following.
  - a) Make boxplots of **yield**, split by **variety**.
  - b) Make dot plots of **yield**, split by **variety**.
  - c) On the basis of your two graphical displays, does it appear that a typical value for yield depends on variety? Or does it appear that all the varieties produce about the same yield?
  
2. IPS Section 1.1 exercises 1.2, 1.10, 1.18, 1.24, 1.28, and 1.38

**Note:** You will need MINITAB data sets EX01\_024.MTP, TA01\_003.MTP, and EX01\_038.MTP for problems 1.24, 1.28, and 1.38 respectively. See the course website for instructions on obtaining these data sets.

**Note:** Minitab cannot make back-to-back stemplots. For exercise 1.24, use Minitab to make stemplots of blood pressure split by group. Then piece them together by hand to make a back-to-back stemplot. Notice that we did this problem in class so you can check your answer.

**Note:** If you are having trouble making a graph, try clicking on the HELP button on the graph's dialogue box.