

Homework assignment for Monday, November 23rd, due Wed, Dec 2nd

Do the following problems from Chapter 16 of *Mind On Statistics*, sent by email:

16.3

16.7ab

16.8

Then do the following problems:

There is a dataset linked to the class webpage, called Student0405.txt, which contains data gathered in statistics classes in 2004 and 2005. The data set *includes* labels in the first row, so if you are using Stata, use “Import” -> “ascii data created by a spreadsheet” and then do not enter new variable names.

The two variables you will use are:

studyhrs = students’ estimate of how many hours they study each week, on average

seat = response to the question “Where do you prefer to sit in a classroom (front, middle, back)?”

1. Conduct a one-way analysis of variance to compare mean weekly hours of study for the three seat location groups. State null and alternative hypotheses, carry out the test, and state a conclusion in the context of the problem.
2. Use the Tukey multiple comparisons procedure to determine which population means differ. Summarize the results.