Lab Project 1 (5 lab points)

Refer to the Class Data page for this lab. Please turn in only neat work. You may need to copy over your initial work. You do not need to include this page with your work.

Due at the first exam (may be turned in early).

1. (2-2) Make a frequency distribution for EITHER the heights OR the ages of the students. Use 4 to 7 classes, as you think best. Include any calculations to determine class width. Was there any unusual data? How did you deal with it?

2. (2-3) Sketch a histogram from your frequency distribution. Be sure to label it clearly. Does the data appear symmetric? Skewed left? Skewed right? None of the above?

3. (3-2, 3-3) Find the mean and standard deviation for the full collection of heights or ages (whichever you used in #1 and #2). Now find the mean and standard deviation for heights or ages using your frequency distribution. How do the values from the full collection compare to the values from your table? (Be sure to see the calculator instructions on p.99-100 and p.115-116.)