

HOMEWORK 1

The following problems are from your textbook. The page number refers to the page in the 4th edition. Please label the questions by page number and question number. For questions that are not from the textbook use the label "Worksheet" and then the question number.

- p50 # 2 draw the histogram and do parts (c) and (d).
- p74 # 1
- p75 # 7
- p94 # 3
- p95 # 6
- p95 # 8
- p95 # 9

This problem below refers to the data in the excel file 1995HouseholdStatistics.xls which can be found on the assignments page on the website.

- (1) Compute the following:
 - (a) Average age of husband
 - (b) Average age of wife
 - (c) Median income for husband
 - (d) Median total household income
 - (e) Maximum household income
- (2) Create a histogram with axes IN STANDARD UNITS for data set consisting of the difference between the husband's age and the wife's age (husband's age - wife's age). Attach a print out.
- (3) Would it be appropriate to approximate this data by the normal distribution? Give some evidence to support your claim, other than just saying that it looks or doesn't look like a bell curve.