UNIT ACTIVITY:
USING STEMPLOTS TO ANALYZE DATA

Part I: Answer the questions on the following survey (or a survey distributed by your instructor). After completing the survey, hand it in to your instructor so that the data can be combined into a class dataset.

Survey Questionnaire

1. How long (in seconds) did you wait while your instructor was getting ready for this activity?

2. How much money in coins are you carrying with you right now?

3. To the nearest inch, how tall are you?

4. How long (in minutes) do you study, on average, for an exam?

5. On a typical day, how many minutes do you exercise?

6. Circle your gender: Male   Female

Return your answers to your instructor.

Part II: Answer the following questions based on the class data.

1. Make stemplots for the data from questions 1 – 5. Describe the key features of each of your stemplots. (Don't be afraid to experiment with expanding stems or truncating data values.)

2. How do estimates of waiting time compare for males and females? Make back-to-back stemplots of the data from question 1 for males and females.

3. Do males or females tend to carry more change? Make back-to-back stemplots of the data from question 2 for the males and females in this class. Analyze the results.