Assignment 0

1. Which of the following is an example of a quantitative variable?
   - a. Age
   - b. Gender
   - c. Height
   - d. Marital status
   - e. Education level

2. What type of graph is most appropriate for displaying quantitative data?
   - a.饼图
   - b.条形图
   - c.折线图
   - d.散点图
   - e.柱状图

3. The following data set represents the number of hours spent on homework for 10 students:
   2, 3, 4, 5, 6, 7, 8, 9, 10, 11
   a. Calculate the mean time spent on homework.
   b. Calculate the median time spent on homework.
   c. Calculate the mode time spent on homework.

4. The following graph shows the distribution of test scores for a class of 50 students. The scores range from 0 to 100.
   a. How many students scored between 61 and 70?
   b. What is the mode of the test scores?
   c. What is the range of the test scores?

5. The following stem-and-leaf plot represents the ages of 20 employees in a company.
   a. What is the median age?
   b. What is the mode age?
   c. What is the range of ages?

6. The following data set represents the number of hours worked per week for 10 employees:
   40, 42, 44, 45, 46, 47, 48, 49, 50, 51
   a. Calculate the mean hours worked per week.
   b. Calculate the median hours worked per week.
   c. Calculate the mode hours worked per week.

7. The following data set represents the number of books read by 10 students:
   2, 3, 4, 5, 6, 7, 8, 9, 10, 11
   a. Calculate the mean number of books read.
   b. Calculate the median number of books read.
   c. Calculate the mode number of books read.

8. The following data set represents the number of hours spent on exercise per day for 10 individuals:
   1, 2, 3, 4, 5, 6, 7, 8, 9, 10
   a. Calculate the mean hours spent on exercise per day.
   b. Calculate the median hours spent on exercise per day.
   c. Calculate the mode hours spent on exercise per day.

9. The following data set represents the number of hours spent on social media per day for 10 individuals:
   1, 2, 3, 4, 5, 6, 7, 8, 9, 10
   a. Calculate the mean hours spent on social media per day.
   b. Calculate the median hours spent on social media per day.
   c. Calculate the mode hours spent on social media per day.

10. The following data set represents the number of hours spent on entertainment per day for 10 individuals:
   1, 2, 3, 4, 5, 6, 7, 8, 9, 10
    a. Calculate the mean hours spent on entertainment per day.
    b. Calculate the median hours spent on entertainment per day.
    c. Calculate the mode hours spent on entertainment per day.