Assignment 12

1. Use the data from the previous assignment to answer the following questions:
   a. What is the mean of the data set?
   b. What is the median of the data set?
   c. What is the mode of the data set?
   d. What is the range of the data set?

2. Calculate the standard deviation of the data set.

3. Draw a histogram of the data set, using appropriate bins.

4. Discuss the shape of the distribution and explain how it relates to the data.

5. Calculate the correlation coefficient between two variables and interpret its meaning.

6. Discuss the implications of your findings for possible future research.

7. Write a short report summarizing your findings and conclusions.

Note: This assignment is due on the last day of the week.