

Instructions: Show all work (that work can be in the form of a spreadsheet submitted along with the quiz or done by hand on paper; if you use your calculator, say what functions you used). Report answers to the standard number of decimal places, or to the number requested in the problem. Be sure to answer all parts of the questions, including requests for interpretation and explanations. Be as thorough as possible.

1. Use the data in the attached file to find the following summary statistics for the data set. Record your answers below. Attach the calculations in your spreadsheet.

a. The mean

\$1431.20

b. The median

\$1020

c. The mode (if it exists)

0

d. The range

\$18960

e. The standard deviation

\$11278.04

2. What statistics are included in the 5-number summary?

minimum, Q1, median, Q3, maximum

3. Use the same dataset to create a boxplot. Attach your graph below.

See excel file