

Assignment 6

Show all your work

Name: _____

Number: _____

Signature: _____

Score: ____/10

Problem 1: Below is a stem-and-leaf plot of a sample data set of ages of volunteers in CapU’s Jazz Festival. Answer the following questions. Remember to include units when applicable.

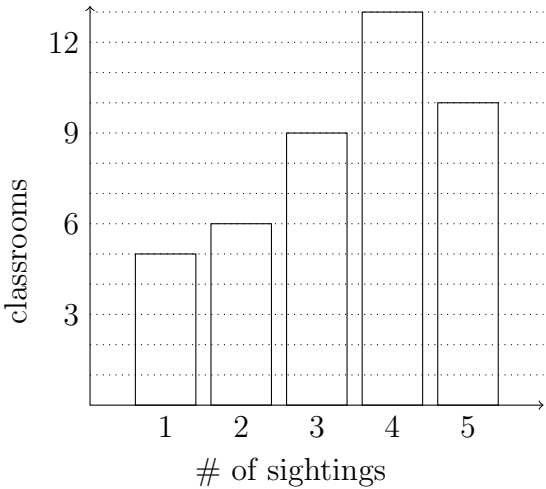
1	7	8	8	9
2	3	4	4	6
3	2	5	5	5
4	8			
5	1	5	8	
6	2	3	3	9

a. How many volunteers were sampled?

- b. Find the median.
- c. Find the mode(s).
- d. Find the range.
- e. Draw a boxplot for the data; clearly label the first, second, and third quartiles.

Score: ____/5

Problem 2: The bar graph shown is a summary of a survey of the number of sightings of mouse droppings (on the horizontal axis) from a sample of classrooms at CapU’s North Vancouver campus in the Fall semester. Answer the following questions. Remember to include units when applicable.



- a. Find the number (n) of classrooms surveyed.
- b. Find the average number of sightings per classroom in the sample.
- c. Find the variance and the standard deviation of the sample data.

Score: ____/5