Activity #1: Basic Parameters   **Statistics**

1. Find the mean of the following list of numbers.

$$8, 5, 9, 5, 9, 7, 11, 10$$

2. Find the mean of the following list of numbers.

$$90, 73, 79, 55, 54, 87, 95, 67, 69, 78$$

3. Find the mean of the following list of numbers.

$$4, 4, 1, 3, 1, 1, 3, 2$$

4. Find the mean deviation of the following list of numbers.

$$15, 8, 13, 11, 11$$

5. Find the mean deviation of the following list of numbers.

$$6, 4, 7, 6, 6, 6$$

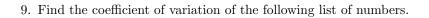6. Find the standard deviation of the following list of numbers.

$$13, 15, 13, 15, 5$$

7. Suppose we have collected the following list of numbers.

$$4, 17, 15, 19, 23, 7, 25, 9, 21, 11$$

Compute the z-scores of 2 and 23 with respect to this list.

8. Suppose we have collected the following list of numbers.

$$4, 3, 5, 7, 4, 5, 7, 6, 5, 10$$

Compute the z-scores of 1 and 13 with respect to this list.

9. Find the coefficient of variation of the following list of numbers.

$$14, 18, 18, 20, 12, 15$$

10. Find the coefficient of variation of the following list of numbers.

$$10, 8, 8, 7, 7, 8, 5$$