EXERCISE

1. What is data?

Data is all of the collected observations we have about something.

2. Why do we use visualizations with data?

Charts and graphs help us see patterns in data that can't be seen in a table.

3. What is the difference between a population and a sample?

4. Why do we use sampling?

5. What level of measurement describes an employee's education level?

6. What level of measurement describes the time needed to complete a project?

7. Find the mean value of the series {6,12,8,5,10}

8. Find the median value of the series {7,3,11,6,9,9}

9. Find the standard deviation **𝜎** of the series {2,10,8,6,3,7}

10. Divide the following series into quartiles. {5,1,6,4,2,6,7,3,1,8,4,8} What are the boundaries of the IQR?

11. In the above problem, where would the upper fence fall using the 1.5 IQR method?