**Descriptive Statistics**

* Measure of Central Tendency
* Measure of Variation
* Measure of Position
* Visualization

**Measure of Variation:**

This is used to measure how the data spreads out around the mean/median.

We will cover:

* Range
* Variance and Standard Deviation
* Chebyshev’s Theorem
* The Empirical (Normal) Rule

**Example:**

Calculate the range, the variance and the standard deviation for the below sample data.

4, 5, 10, 12, 7, 17, 3, 40

* The range = maximum – minimum



* To calculate the variance:

