**ESSENTIAL IDEA:***Identify the measures of Central Tendency, and have the formula to calculate them.*

**TIME:** *About 2*

**OUTCOMES:** *As a result of instructions, students will be able to:*

1. Calculate the Mode, Median, Average
2. Understand what these measurements are, and what they reveal about the underlying dataset.

**ASSESSMENTS:** Homework Assignment, Lab Assignment

**MATERIALS:** *None*

**SET UP:** *No different than usual*

**PROCEDURE:**

Introduction: *(Time spent introducing concepts.)*

1. Give a brief overview as to why math plays a role in Data Science.

2. Give students a chance to talk about what numbers they think are important in data sets.

3. Give students a chance to ask questions about what they are interested in, or need clarity in.

Lesson/Direct Instruction:

1. Go over the Mode

2.Go to the Median.

3.Cover the arithmetic mean (also known as the average, incorrectly so)

Tasks: *(Hyperlink algo challenges/ lab assignments etc.)*

1. Complete the Lab

Closing:

1. Now we have some tools to talk about data sets. What tools did we cover?
2. When and where do we use these measures?
3. Hand out assignment and hand out questionnaire

**REFERENCES:**

<https://docs.google.com/document/d/1Rz7G2ex6BDfV2KiuzTElk6l9fzQq73t-fY7VFKJU7cs/edit>