

# Statistics Project

Project due date: \_\_\_\_\_

You need to do the following:

~~There is no #1~~ **There is no #1**

2. Create a statistical question. Once it is approved by Ms. Thompson, write it on the line below.

\_\_\_\_\_

3. Ask 20 peers your question and record their answers below.


4. Use your data to find and fill in the information below.

Range: \_\_\_\_\_

Mean: \_\_\_\_\_

Median: \_\_\_\_\_

Mode: \_\_\_\_\_

Minimum: \_\_\_\_\_

Maximum: \_\_\_\_\_

Mean Absolute Deviation (MAD): \_\_\_\_\_

5. Create the following 5 graphs to display your data. These will go on a poster board for your final project.

a. Dot Plot

d. Stem and Leaf

b. Frequency Table

e. Box Plot

c. Histogram

6. Write a summary paragraph that answers the following questions.

a. How did you collect your data?

b. Are there any outliers? (Numbers that are unusually large or small compared to the rest of the data)

c. Which measure of central tendency best describes your data?

d. Which measure of variability best describes your data?

e. Did you notice any patterns in your data? If yes, what are they?

f. How do the measures of central tendency and variation relate to the shape of your displays?

g. What can you conclude from your project?