**Honors Algebra 2 Stats Unit Project Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Collect 50 pieces of numerical data for your project. Project requirements are as follows:

1. Make a table of your original data. The numbers must be organized in numerical order.
2. Find the mean, the median, and the mode if there is one.
3. Find the 5 number summaries. (min, Q1, median, Q3, max)
4. **Accurately,** construct 2 out of 3 data displays. ( histogram, box plot, dot plot)
5. Find both measures of variability/spread. (IQR and standard deviation)
6. Write at least 3 sentences to explain which measure of center (mean or median) and spread (IQR or standard deviation) is most appropriate for your data and why.