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

Collect 20 pieces of numerical data for your project. Project requirements are as follows:

1. Make a table of your original data. Use 2 rows of ten. 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 a dot plot and a box plot for your data.
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.

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