

6.SP. Develop understanding of statistical variability.

3. Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number.

Integration of Global Education

- Students will use numerical data representing global statistics to find measures of centers, such as mean, median, and mode.
- Students will develop a statistical literacy that will help them better understand global issues.

Lesson Plan Modification

- 25 Global Warming Statistics Video
 - Students will watch this video to understand how numerical data can inform shape perspective.
- Students will identify a global issue and generate a statistical question.
- Students will investigate the causes behind the data they research through video, newspaper and other sources.

Informal Outcome Assessment

- Students will calculate the measures of center for their numerical data.
- Students will write a 1 – 2 paragraph reflection that determines and explains which is the best measure of center for their data.

EngageNY - New York State P-12 Common Core Learning Standards for Mathematics

6.SP Develop understanding of statistical variability.

4. Display numerical data in plots on a number line, including dot plots, histograms, and box plots.

Integration of Global Education

- Students will work collaboratively to select statistical tools that will best represent their selected global issue.
- Students will recognize that statistical tools can affect someone's perspective of an issue.

Lesson Plan Modification

- Students will watch videos and read articles to determine how numerical data can be manipulated.
- Students will participate in a discussion with a statistics professor to learn and explore how data can be manipulated.

Informal Outcome Assessment

- Students will summarize their findings in a 1 – 2 paragraph reflection that explains how they are able to present their data in an unbiased way to share their knowledge of global issues.