

Enduring Understandings

Essential Questions

Indicators

The analysis and interpretation of data depends on the type of display.

What is the purpose of data displays and statistical measures?

4.7.2.1 organize and display data, with or without technology, using a variety of displays, including box and whisker plots, back-to-back stem and leaf plots, and scatter plots.

4.7.3.1 analyze and interpret data in a variety of displays, including, box and whisker plots, back-to-back stem and leaf plots and scatter plots.

4.7.2.3 use box and whisker plots to compare two sets of data.

4.7.4.1 use the measures of central tendency (mean, median, mode) to compare two sets of data.

Graphical representations and statistical measures can be used to make interpretations and predictions about real world situations.

How can the data representation influence conclusions?

4.7.5.1 evaluate the validity of claims based on analysis of data.

4.7.5.2 identify data that represent sampling errors and explain why a sample might be biased.

