



Measures of Center and Variability

Today's Standard

6.SP.B5c - Giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered.

Cues	Notes
What is the mean?	Mean: The arithmetic average of a data set.
What is the median?	Median: The middle value in a data set when ordered.
What is variability?	Variability: How spread out the data values are.
Why are measures of center important?	Measures of center help summarize large data sets with a single value.
How do you find the interquartile range?	Interquartile range: Difference between the first and third quartiles.

Summary

Understanding measures of center and variability is essential for summarizing and interpreting data. The mean and median provide central values, while variability measures like the interquartile range show data spread.