

Cornell Note

Comparing Data Distributions

Today's Standard

HSS.ID.A2 - Use statistics appropriate to the shape of the data distribution to compare center (median, mean) and spread (interquartile range, standard deviation) of two or more different data sets.

Cues	Notes
What is the standard HSS.ID.A2?	HSS.ID.A2 focuses on using appropriate statistical measures to compare data distributions.
What are mean and median?	Mean is the average of a data set, while median is the middle value.
What are standard deviation and interquartile range?	Standard deviation measures the spread around the mean, while interquartile range measures the spread of the middle 50%.
When to use mean vs. median?	Mean is best for symmetrical distributions; median is better for skewed distributions.
When to use standard deviation vs. interquartile range?	Standard deviation is best for normal distributions; interquartile range is better for skewed distributions.

Summary

HSS.ID.A2 teaches how to use appropriate statistical measures to compare data sets. Understanding when to use mean, median, standard deviation, and interquartile range is crucial for accurate data analysis.