



Data Representation Techniques

Today's Standard

HSS.ID.A1 - Represent data with plots on the real number line (dot plots, histograms, and box plots).

Cues	Notes
What are dot plots?	Dot plots: Simple plots showing individual data points on a number line.
What are histograms?	Histograms: Bar graphs representing the frequency of data within certain ranges.
What are box plots?	Box plots: Graphs showing data distribution through quartiles and medians.
How to choose the right plot?	Choosing the right plot: Depends on data characteristics and the information you want to convey.
Common misconceptions in data representation	Misconception: Any plot can be used for any data set. Correct: Each plot type has specific uses.

Summary

Understanding how to represent data with dot plots, histograms, and box plots is crucial for accurate data analysis. Each plot type has unique features and uses, and choosing the right one depends on the data set and the information needed.