



Scatter Plots and Associations

Today's Standard

8.SP.A1 - Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association.

Cues	Notes
Scatter Plot	Scatter Plot: A graph that shows the relationship between two variables.
Bivariate Data	Bivariate Data: Data that involves two different variables.
Association Patterns	Association Patterns: Patterns that show how two variables are related (e.g., positive, negative, clustering).
Outliers	Outliers: Data points that are significantly different from others in the data set.
Linear vs. Nonlinear	Linear vs. Nonlinear: Linear associations form straight lines, while nonlinear associations form curves or other shapes.

Summary

Scatter plots help us understand the relationship between two variables by showing patterns such as positive or negative associations, linear or nonlinear trends, and identifying outliers.