

STUDY GUIDE

EXPLORING RELATIONSHIPS THROUGH DATA VISUALIZATION

Pie Charts

- Show the relationship of parts to a whole.
- Should only be used for data sets that have five or fewer segments.

Bar Charts

- Display the measure or metric of a category.
- Best for showing the relationship between numerical and categorical values.
- Generally, the x-axis is a categorical variable and the y-axis is some measure.

Line Charts

- Show a series of data points connected by a line.
- Frequently used in time trend analysis or for charting the relationship between two metrics.

Scatterplots

- Compare the relationship between two metrics.
- Best for when it's helpful to have each data point individually represented.