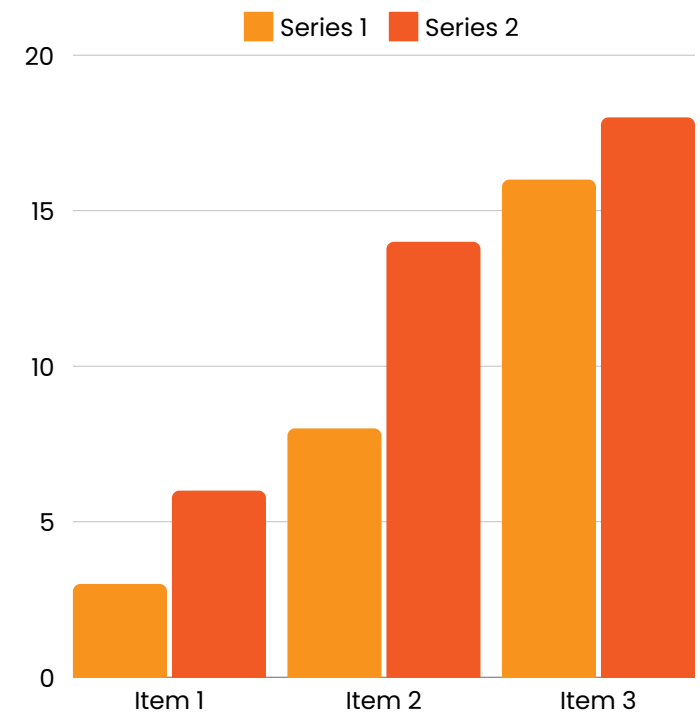


Data Visualization Examples and Use Cases





Bar Charts

Use: Compare quantities across categories

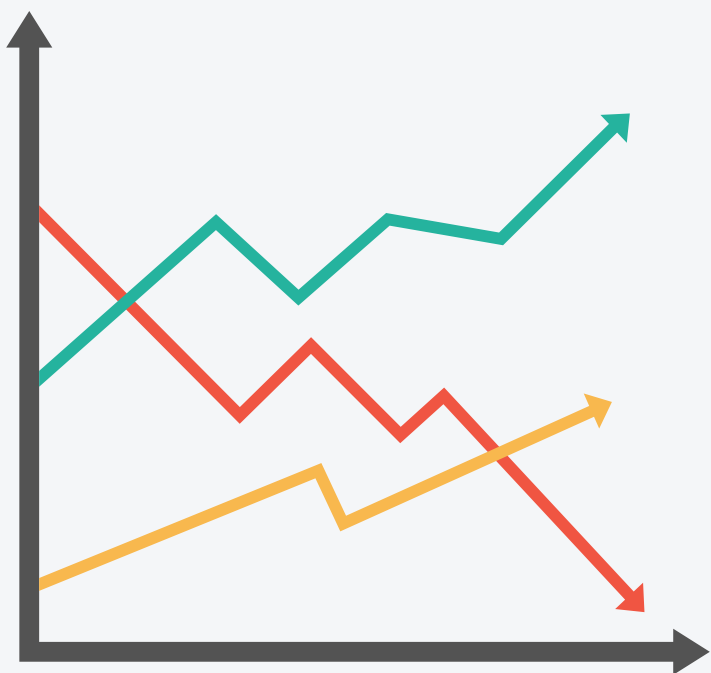
Best for: Discrete data, frequency distributions

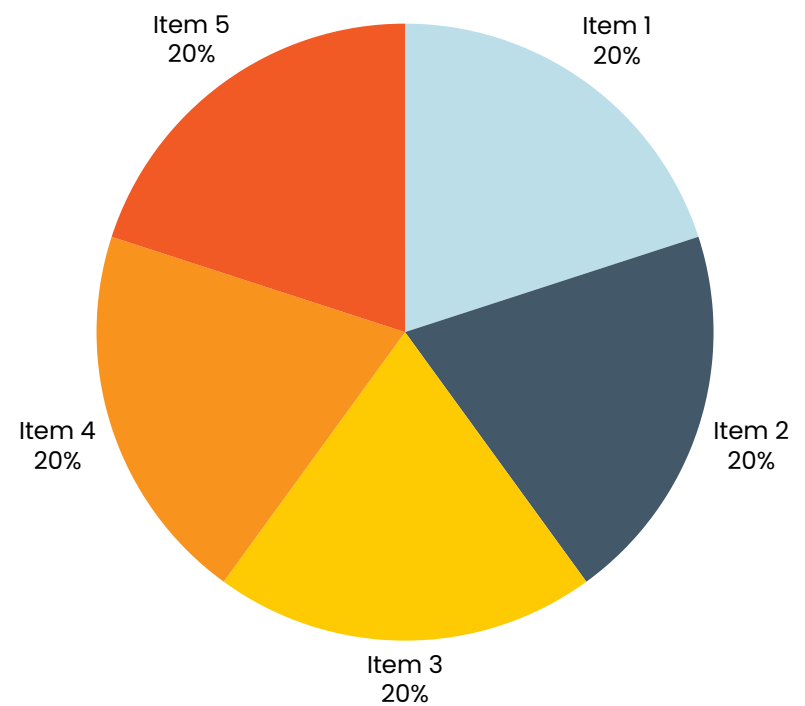
Example: Product sales comparison



Line Charts

- **Use:** Show trends over time
- **Best for:** Continuous data, time series
- **Example:** Stock price changes





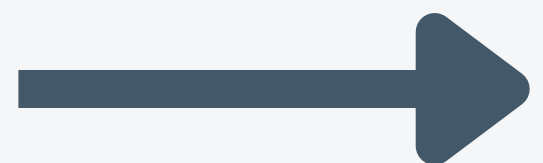
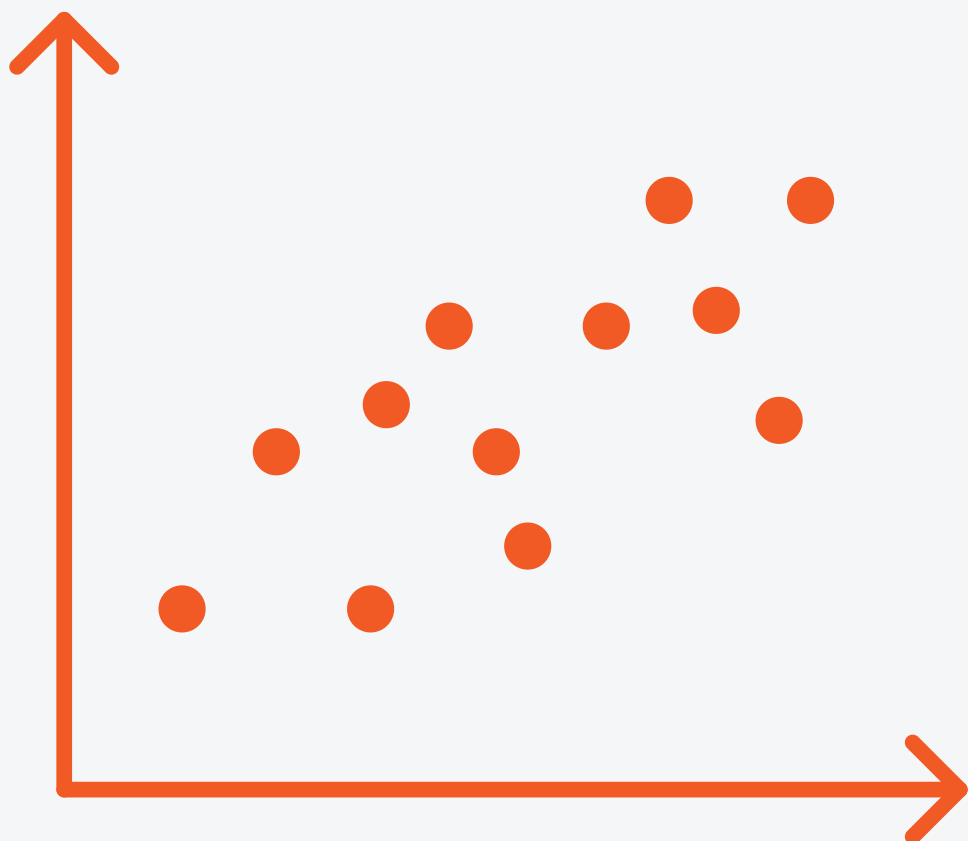
Pie Charts

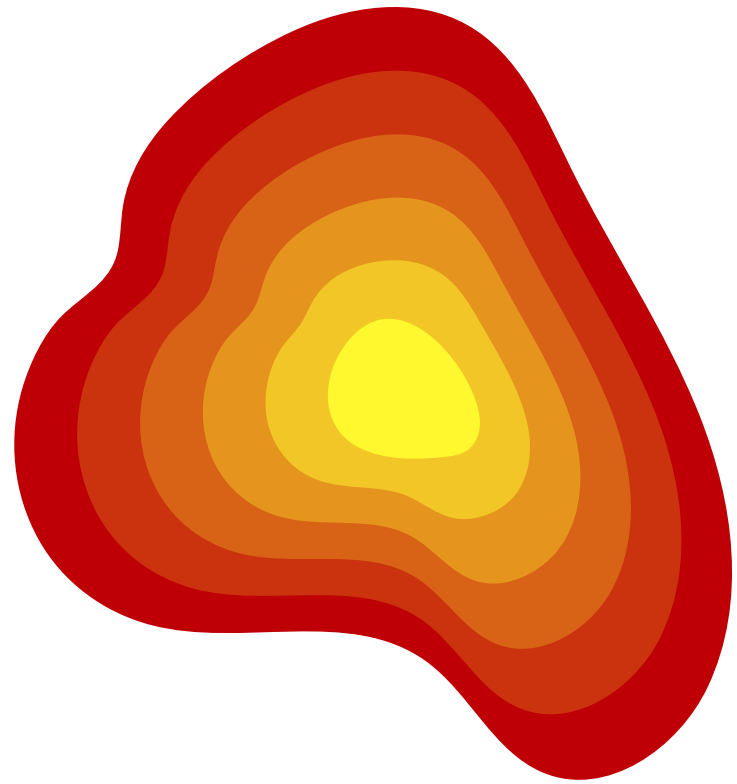
- **Use:** Show composition of a whole
- **Best for:** Parts of a whole, percentages
- **Example:** Market share of companies



Scatter Plots

- **Use:** Show relationship between two variables
- **Best for:** Correlation analysis, identifying outliers
- **Example:** Height vs. weight distribution





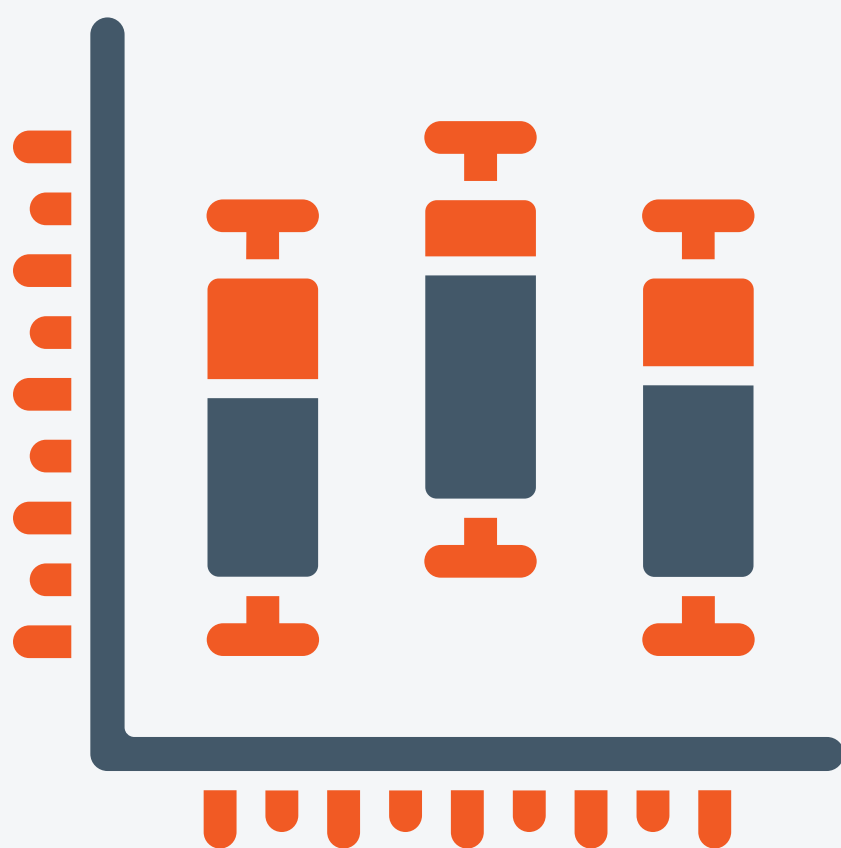
Heat Maps

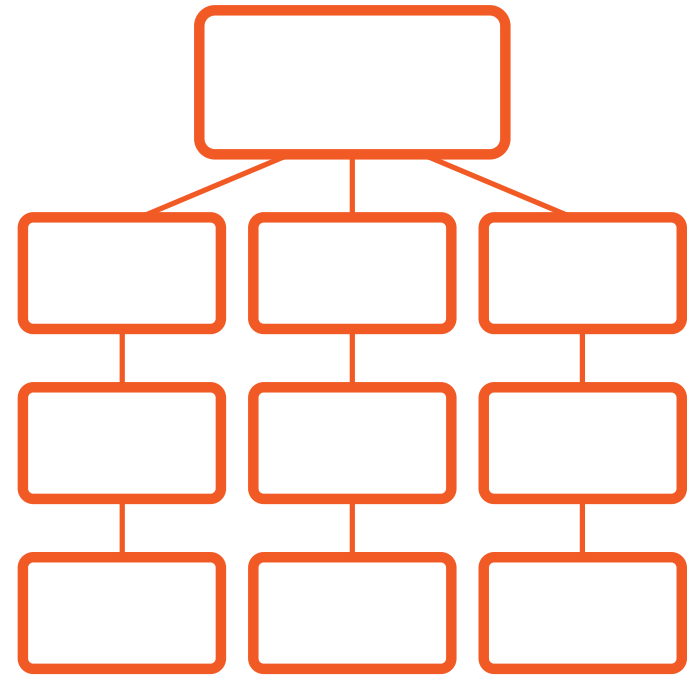
- **Use:** Show patterns in a matrix of data
- **Best for:** Large datasets, identifying hot spots
- **Example:** Website click patterns



Box Plots

- **Use:** Show distribution of data
- **Best for:** Comparing distributions, identifying outliers
- **Example:** Salary distributions across departments





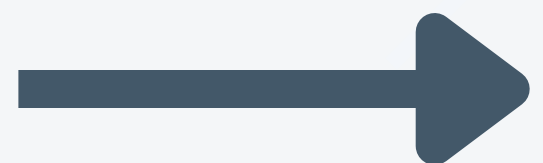
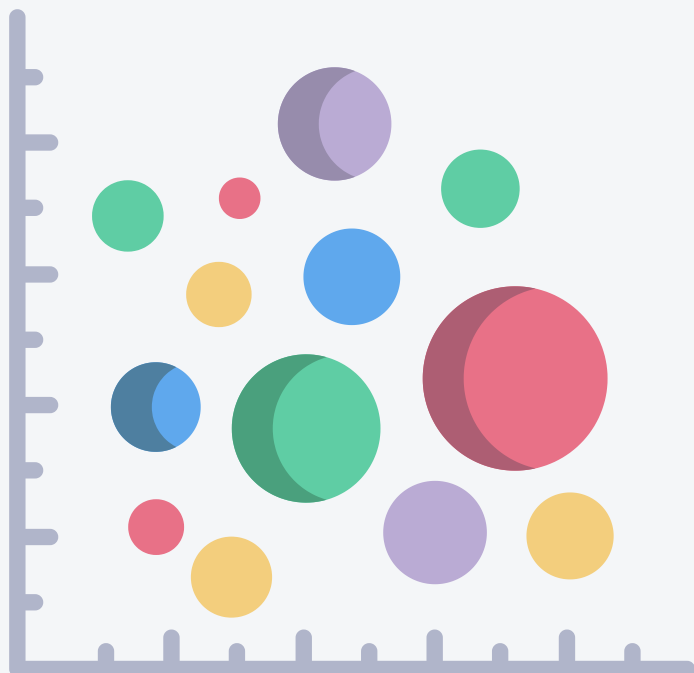
Tree Maps

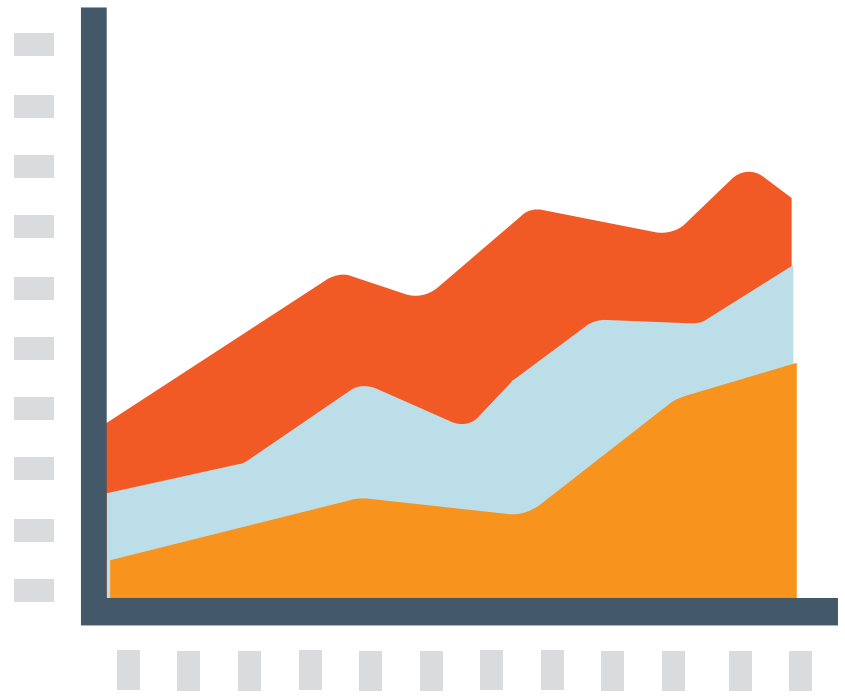
- **Use:** Show hierarchical data as nested rectangles
- **Best for:** Displaying hierarchies and proportions simultaneously
- **Example:** File system storage usage



Bubble Charts

- **Use:** Compare entities in 3 or 4 dimensions
- **Best for:** Multivariate data with size differences
- **Example:** Country statistics (GDP, population, life expectancy)





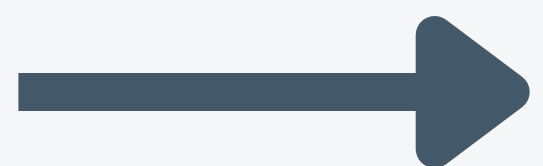
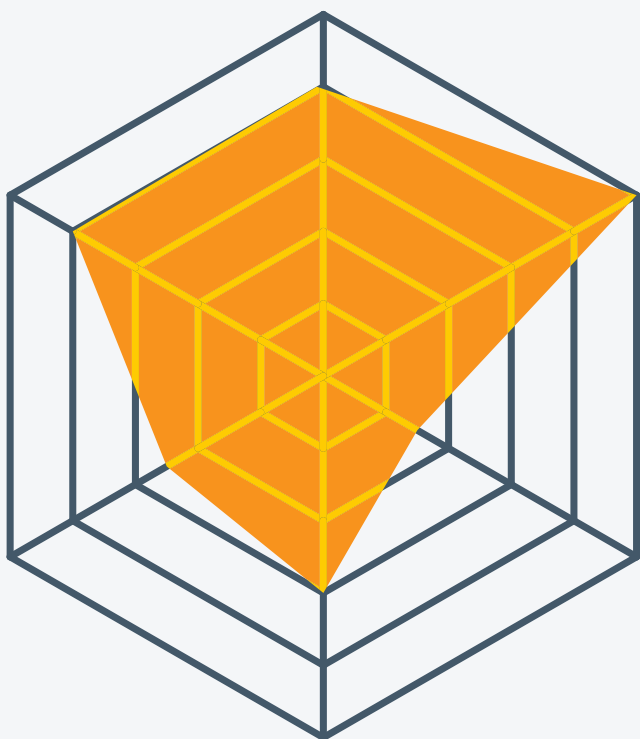
Area Charts

- **Use:** Show cumulative totals over time
- **Best for:** Part-to-whole relationships over time
- **Example:** Market share changes over years

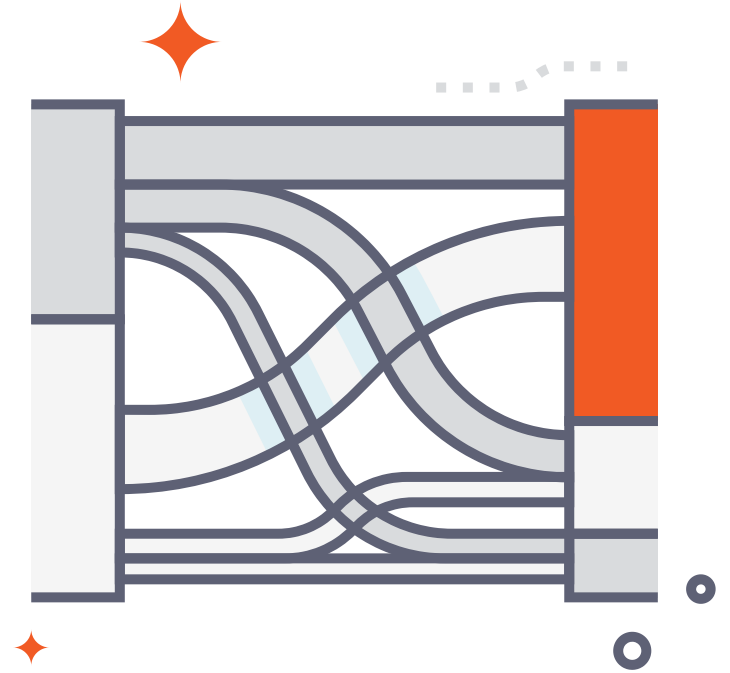


Radar Charts

- **Use:** Compare entities in 3 or 4 dimensions
- **Best for:** Multivariate data with size differences
- **Example:** Country statistics (GDP, population, life expectancy)



Sankey Diagrams

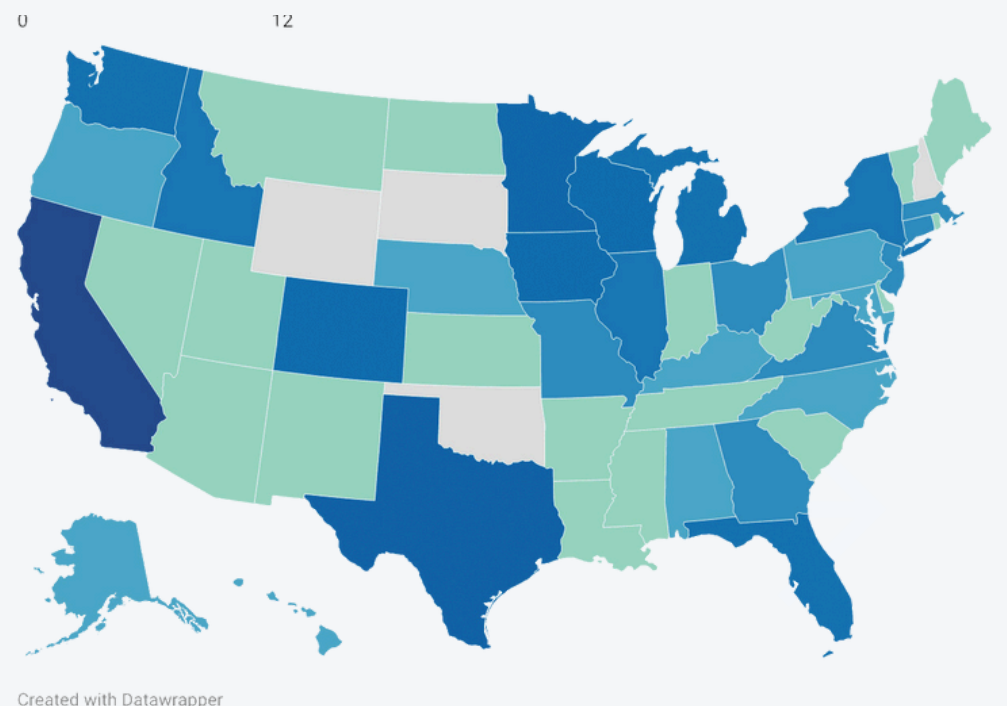


- **Use:** Show cumulative totals over time
- **Best for:** Part-to-whole relationships over time
- **Example:** Market share changes over years

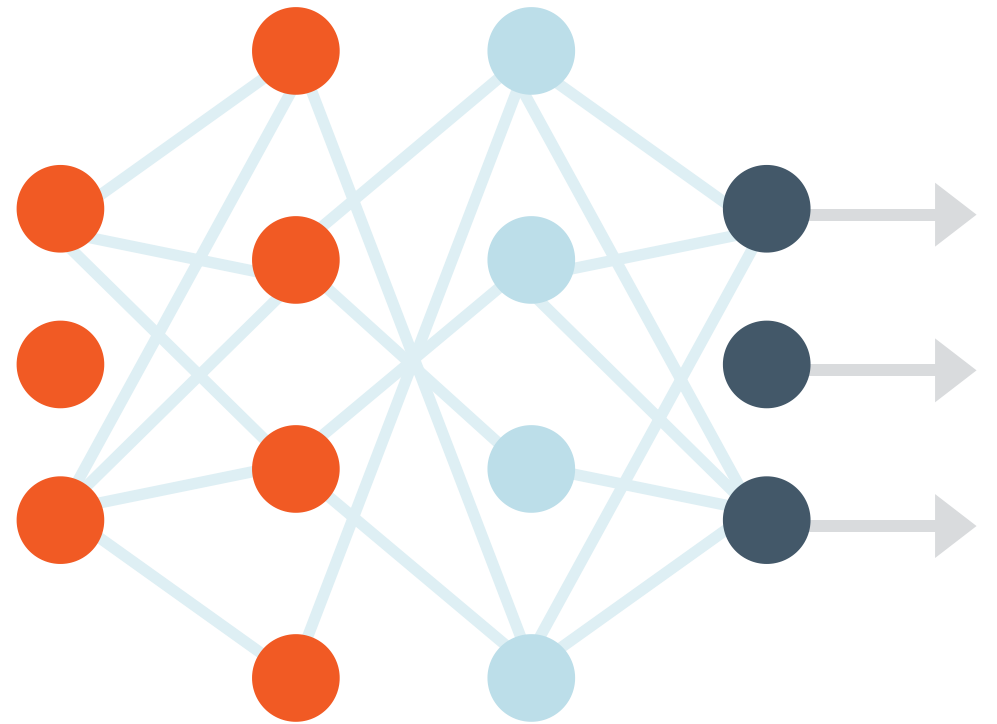


Choropleth Maps

- **Use:** Compare entities in 3 or 4 dimensions
- **Best for:** Multivariate data with size differences
- **Example:** Country statistics (GDP, population, life expectancy)



Network Diagrams

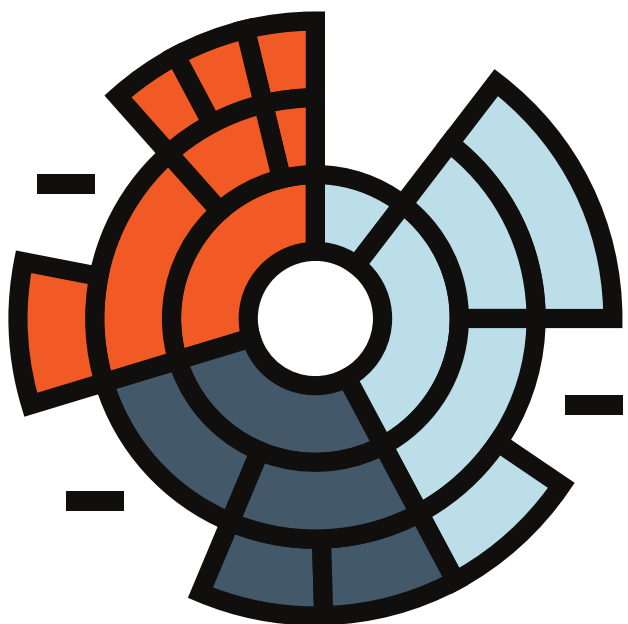


- **Use:** Show connections between entities
- **Best for:** Social networks, system architectures
- **Example:** Social media connections



Sunburst Diagrams

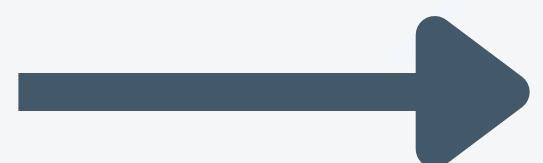
- **Use:** Displaying hierarchical data
- **Best for:** Illustrating relationships in data that have multiple layers
- **Example:** Sales by Product Category





Word Clouds

- **Use:** Visualize text data, highlighting frequent terms
- **Best for:** Text analysis, survey responses
- **Example:** Most common words in a speech



Curious



how you can use

natural language

to visualize your

data?



Find out how at querri.com

Querri