




Change Over Time

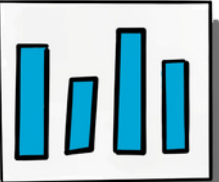
Show trends of **patterns** over a continuous period

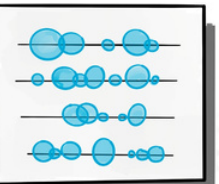
- How does the data change evolve **over time**?
- Are there any **trends** or **patterns** in data over time?

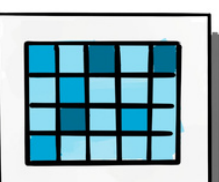
Line Chart

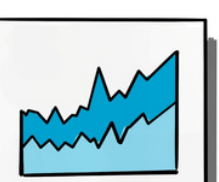
Sparkline Chart

Slope Chart

Bar Chart Over Time

Circle (Bubbel) Timeline


Calendar Chart


Area Chart


Magenitude


Show **size** comparisons. These can be relative or absolute


- Which categories have the highest and lowes sales?
- Show **comparison** of sales across different categories?

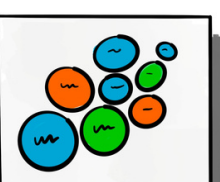
Bar Chart (Rows)

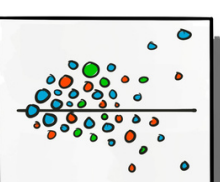
Bar Chart (Columns)

Bar Chart (Side By Side)

Stacked Bar Chart

Lollipop Chart

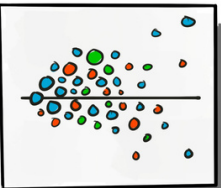
Bubble Chart

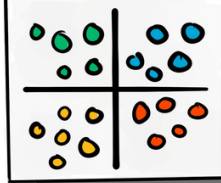
Scatter Plots


Correlation

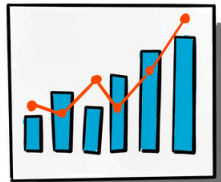
Show the **relationships** between two or more measures


- Is there a **correlation**between two measures?
- How strongly**related**are the two variables?

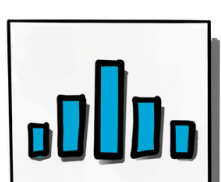
Scatter Plots

Quadran t Chart

Dual-Line Chart

Bar & Line Chart


Butterfly (Tornado) Chart


Histogram

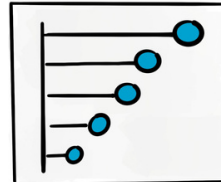
Ranking

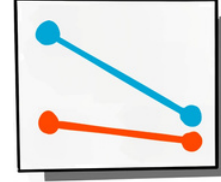
Show an item's position in an ordered list (Relative Ranking)

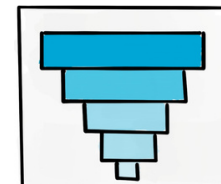
- Show**top 10**customers by sales
- Show **lowest 10** products by sales

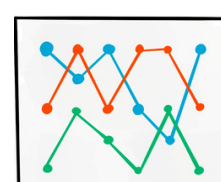
Bar Chart (Rows)


Bar Chart (Columns)

Lollipop Chart

Slope Chart

Funnel Chart

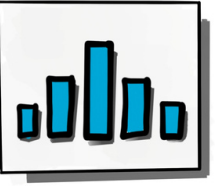
Bum p Chart


Butterfly (Tornado) Chart


Distribution

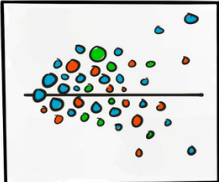
Show values in a dataset and how often they occur

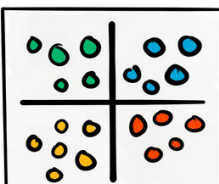
- What is the **distribution** of customer's ages?
- What are the busiest times in our workday?

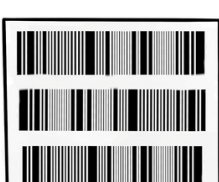
Histogram

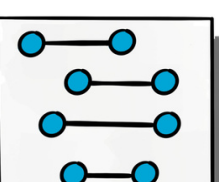
Box Plot

Dot Plot

Scatter Plots

Quadran t Chart

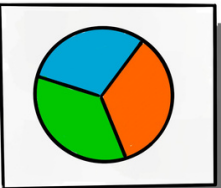
Barcode Chart


Barbell Chart

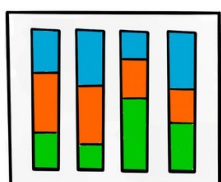
Part-To-Whole

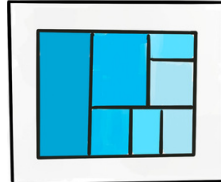
Show how **awhole** down into itsbreaks **components**


- How much each category **contributes** to **overall** sales?

Pie Chart

Donu t Chart

Full Stacked Bar Chart

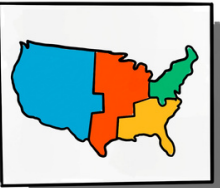
Treemap


Waterfal l Chart

Spatial

Use when geospatial patterns in your data are more important than anything else

- Which**city/state** has the highest sales?

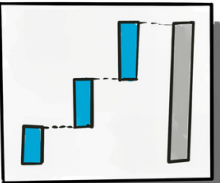
Choropleth Map

Map with Symbols

Flow

Visualize the **movement** or **flow** of the data over time

How do things move from one point to another?

Waterfal l Chart

