

Power BI Charts

Power BI offers a wide range of chart types that you can use to visualize and explore your data. Each chart type has its own purpose and best-use cases. Here are some common Power BI charts, along with details about when and how to use them:

1. Column Chart:

- Best for showing and comparing individual data points.
- Vertical columns represent data values.
- Use when comparing categories or showing trends over time.

2. Bar Chart:

- Similar to the column chart but with horizontal bars.
- Suitable for comparing categories or data values, especially when labels are long.

3. Line Chart:

- Ideal for showing trends and changes over time.
- Connects data points with lines, making it easy to visualize continuous data.

4. Area Chart:

- Shows data values over time, emphasizing the area under the line.
- Useful for displaying cumulative data and trends.

5. Pie Chart:

- Displays the parts of a whole, such as percentages of a total.
- Works well when you want to emphasize the composition of a single category.

6. Donut Chart:

- Similar to a pie chart but with a hole in the centre.
- Can be used to show parts of a whole, but some people find it easier to read than a traditional pie chart.

7. Scatter Chart:

- Used for showing relationships between two numerical values.
- Each point represents an observation with an x and y coordinate.

8. Map Chart:

- Displays geographical data on a map.
- Great for showing location-based data or regional trends.

9. Table:

- Presents data in a tabular format with rows and columns.
- Useful for displaying raw data, particularly for drill-down purposes.

10. Matrix:

- Similar to a table but with subtotals and expandable rows and columns.
- Ideal for hierarchical data or summarizing data in a structured format.

11. Cards:

- Displays a single data value or metric with a title.
- Used for highlighting key numbers or KPIs.

12. Gauge Chart:

- Visualizes a single value in relation to a minimum and maximum.
- Good for displaying progress towards a goal or target.

13. Funnel Chart:

- Shows a series of steps or stages in a process.
- Useful for visualizing a sales pipeline or conversion rates.

14. Treemap:

- Presents hierarchical data as nested rectangles.
- Suitable for displaying part-to-whole relationships within hierarchical structures.

15. Waterfall Chart:

- Demonstrates how an initial value is affected by intermediate positive or negative values, leading to a final total.
- Useful for showing the breakdown of financial data or other cumulative changes.

16. Box and Whisker Plot:

- Provides a graphical summary of a dataset's distribution.
- Shows the median, quartiles, and potential outliers in the data.

17. KPI Indicator:

- Represents a key performance indicator (KPI) value with a visual indicator (e.g., arrow or traffic light) to convey performance status.

18. Custom Visuals:

- You can import or develop custom visualizations to extend Power BI's capabilities. There is a marketplace for custom visuals created by the Power BI community.