

Pie Chart in Power BI

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A pie chart is a special type of chart in which wedge-like sectors are used to illustrate relative sizes of data. In this chart, each wedge represents a proportionate part of the whole pie whose total value is always 100 percent. This chart is also called circle chart.

Availability in Power BI:

Yes

Availability in Other Tools :

This is available in Tableau and Lumira.

Possible Usage :

When we need to deal with simple data than pie charts are used as these charts are ideal to represent and measure simple numerical data and may not deal with complex data. For example, Pie chart showing the population of English speakers in India.

Some useful guidelines of using Pie Chart:

- Pie chart have to make sense for our data.
- We should compare parts to the whole.
- There should be small number of slices/segments.
- The values have to differ.
- Sort the values.
- Start at 12 o'clock.

How to Use X and Y Axis :

In general the continuous variable would be represented with the x-axis and the y-axis represents the measurement. No axis is present in pie charts.

Advantages :

- A pie chart presents data as a simple and easy-to-understand picture.
- This chart summarize a large data set in visual form.
- This chart displays relative proportions or percentages of multiple categories of data.
- This chart needs minimal additional explanation.

- In pie chart, we can make size of the circle proportional to the total quantity it represents.
- This chart is visually simpler than other type of charts.

Disadvantages :

- A pie chart cannot show more than a few values because it becomes less effective if it uses too many pieces of data.
- Many pie charts may be needed to show changes over time.
- Pie chart is fail to show key assumptions, causes, patterns or effects.
- This chart donot reveal exact values easily.
- This chart can be easily manipulated to produce false impressions.

Additional Comments :

Pie charts are very widely used in the business world, education and the mass media.

Example View :

Take a look at below pie chart illustrating the proportion of customers in different cities.

