15 Best Power BI Chart Types and Visual Lists

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Data Analytics and Data Visualization are one of the core components to boost a company's performance. Visualizing a huge amount of data on one screen allows the organization to evaluate, identify patterns in data, and get valuable insights to transform their business. Many platforms available in the market help companies leverage charts and visuals to display complex data in a simpler form.

Power BI is a Business Intelligence platform designed by Microsoft to help organizations leverage advanced data modeling techniques, Visualization, and Analytics into their business. This enables companies to make data-driven decisions. Users can use various Power BI Charts and Visuals that make it easier to showcase every type of data on dashboards and reports.

Power BI Charts types and Visual lists consist of a vast variety of visual tools. In this article, you will learn about the most commonly used Power BI Charts and Visuals that help companies get deeper into data and generate interactive insights.

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What is Power BI?

Image Source

Power BI is a part of Microsoft Power Platform and a proprietary Data Visualization and Business Intelligence platform. It is one of the widely used tools among organizations to analyze business data and generate reports. Power BI uses a collection of various in-built software services, apps, and

connectors to deeply integrate with data to provide immersive visuals, interactive reports, and generate insights.

Power BI helps users to aggregate, analyze, visualize and share data. It is a SaaS (Software as a Service) based platform and is also available for Desktop, mobile, and on-premise servers. Power BI supports connection with many data source connectors to load data into the Dashboard directly from the data source and visualize data stored in Databases or Data Warehouses. Users use the Power BI Chart, graphs, KPIs, reports to analyze the data and get interactive insights.

Key Features of Power BI

Some of the main features of Power BI are listed below.

- **Hybrid Development**: Power BI offers integrations with many connectors that allow users to connect to various data sources.

- **Modeling View**: Power BI allows users to divide and slice complex data models into a simpler form, separate diagrams, multi-select objects.

- **AI Support**: Power BI supports Artificial Intelligence in Data Analytics that users can leverage to prepare data, build Machine Learning models and quickly identify insights from structures as was unstructured data.

- **Quick Insights**: Power BI makes it easier for users to create subsets of data and automatically Data Analytics to that information.

- **Report Sharing**: Users can easily share their reports with other users of the organization without worrying about data security.

To know more about Power BI, click here.

📖 **Simplify the Power BI Visualization Process with Hevo's No-code Data Pipeline**

Hevo Data, a No-code Data Pipeline helps to load data from any data source such as Power BI, Databases, SaaS applications, Cloud Storage, SDKs, and Streaming Services and simplifies the ETL process. It supports 100+ data sources and is a 3-step process by just selecting the data source, providing valid credentials, and choosing the destination. Hevo not only loads the data onto the desired Data Warehouse but also enriches the data and transforms it into an analysis-ready form without having to write a single line of code.

Its completely automated Data Pipeline offers data to be delivered in real-time without any loss from source to destination. Its fault-tolerant and scalable architecture ensure that the data is handled in a secure, consistent manner with zero data loss and supports different forms of data. The solutions provided are consistent and work with different BI tools as well.

Check out why Hevo is the Best:

- **Secure**: Hevo has a fault-tolerant architecture that ensures that the data is handled in a secure, consistent manner with zero data loss.

- **Schema Management**: Hevo takes away the tedious task of schema management & automatically detects the schema of incoming data and maps it to the destination schema.

- **Minimal Learning**: Hevo, with its simple and interactive UI, is extremely simple for new customers to work on and perform operations.

- **Hevo Is Built To Scale**: As the number of sources and the volume of your data grows, Hevo scales horizontally, handling millions of records per minute with very little latency.

- **Incremental Data Load**: Hevo allows the transfer of data that has been modified in real-time. This ensures efficient utilization of bandwidth on both ends.

- **Live Support**: The Hevo team is available round the clock to extend exceptional support to its customers through chat, email, and support calls.

- **Live Monitoring**: Hevo allows you to monitor the data flow and check where your data is at a particular point in time.

# 15 Best Power BI Charts Types and Visual Lists

After understanding Power BI and how it helps organizations generate insights from data and make data-driven business decisions. In this section let's have a look at some of the most commonly used Power BI Charts and Visuals that helps in visualizing data. Some best Power BI Charts are listed below:
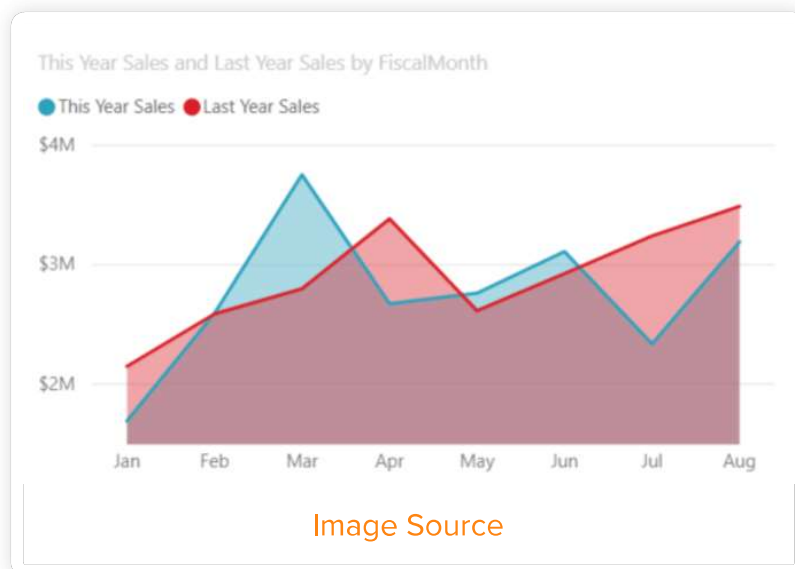
1) Line Charts

Line Charts are one of the most commonly used Power BI Charts. It plots the data values and connects the data points with a line to keep all the points in a series. These are widely used to depict the data over a period that can be days, months, duration, and trends in the data. Each dot plotted on the Line Chart is a unique data value and connects the previous and next data point with a straight line.

2) Bar Charts
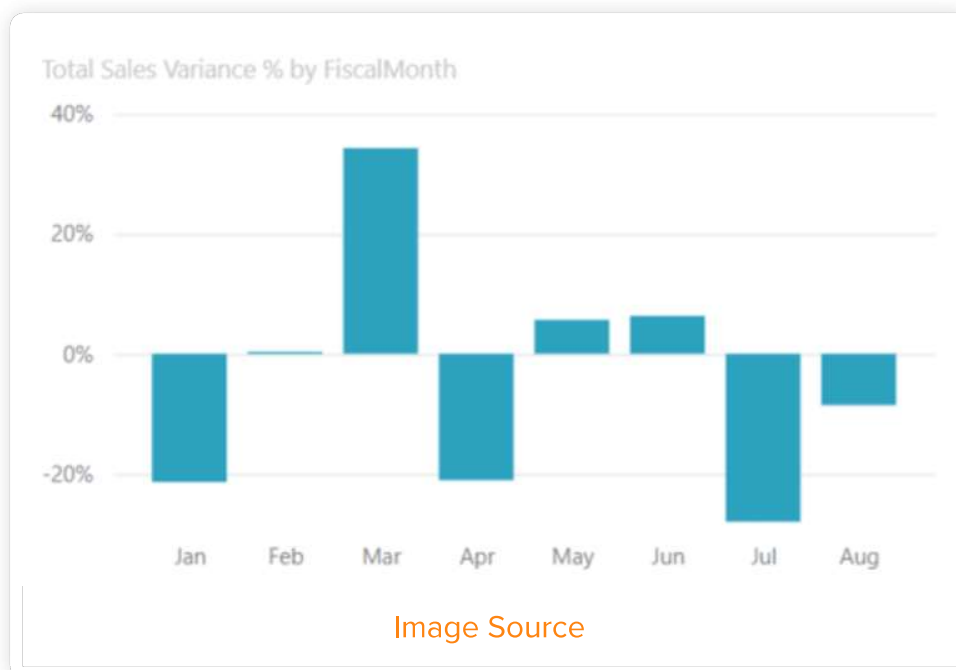
Bar Charts are a perfect Power BI Chart that allows users to display the absolute value of the data. The axis of the Bar Chart or sometimes called a horizontal Chart can be used to display the positive and negative values on the opposite sides of the axis. The data values are in the form of solid bars with the length extending to the data point on the chart.
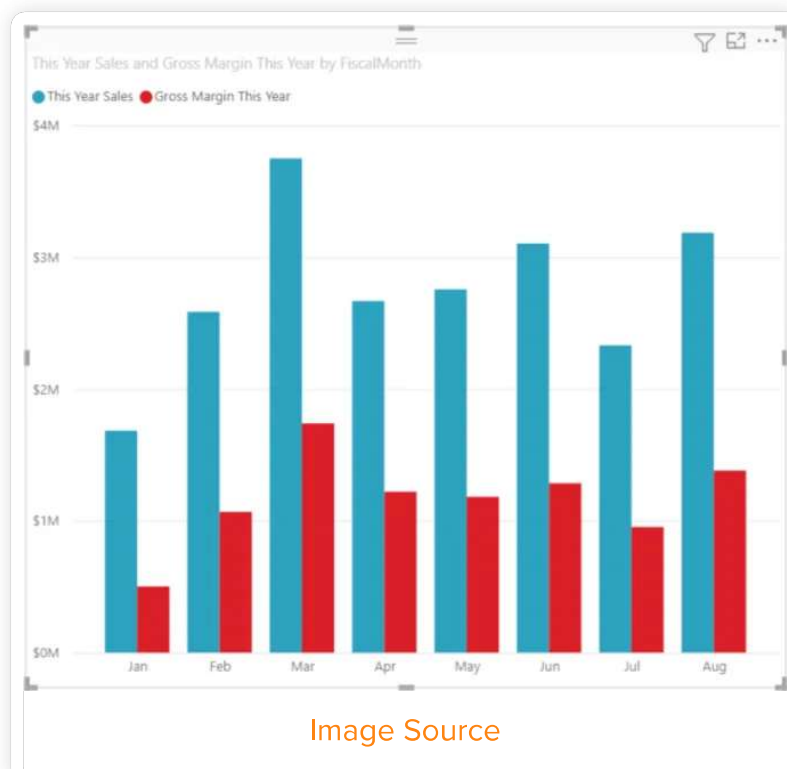
3) Area Charts

This Year Sales and Last Year Sales by FiscalMonth
● This Year Sales ● Last Year Sales

Image Source

The Area Chart is similar to the Line Chart, including the area between the line plotted and the axis is filled in. This Power BI Chart corresponds to the total value across the trend line or the magnitude of change that occurred in data.

Area Charts can have multiple areas (Stacked), and the overlap depicts the change in two graphs. For example – evaluating the sales in the current year with the previous year.

4) Columns Charts

This Year Sales and Gross Margin This Year by FiscalMonth
● This Year Sales ● Gross Margin This Year

Image Source

Column Charts are the Power BI Charts that are similar to Bar Charts. The only difference between these Power BI Charts is that the Column Chart divides the data of the same category into clusters and then allows users to compare data

within the clusters. Moreover, users can choose to compare data points from other clusters.

5) Cards

030-Kids

$5.30

Average Unit Price

Image Source
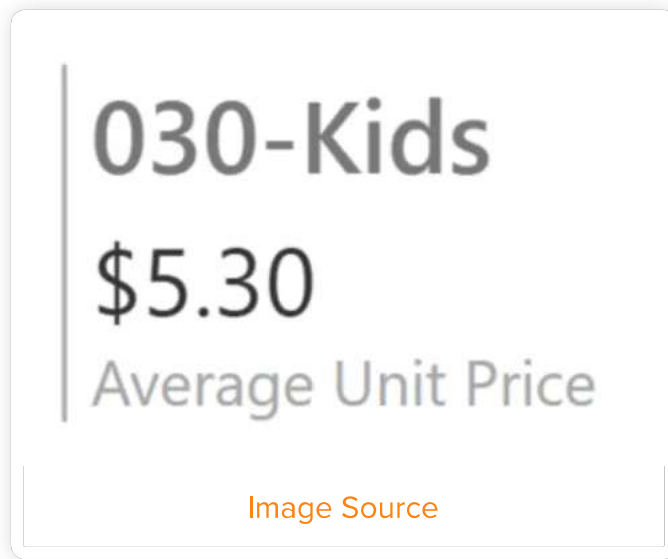
Power BI offers Multi-row and Single number cards that are used to provide a piece of specific information. This can include an aggregated number of the data values, the calculated number using custom formulas, total number, avg, sum, etc.

A Single number card displays a single fact that users can track easily such as total orders completed today, total market share, etc. These cards are placed as a tile on the dashboards.

6) Combo Charts

This Year Sales, Last Year Sales and Total Sales Variance % by Month

● This Year Sales ● Last Year Sales ● Total Sales Variance %

Image Source

The Combo Chart is a special Power BI Chart that includes both the column Chart and a line chart. The combination of both the Power BI Charts lets users compare data points and evaluate them easily. Some of the best use cases of Combo Charts are listed below:

- For depicting the correlation between the 2 measures in one visual chart.

- For comparing and checking whether one measure meets its target with respect to the other plotted measure on the Combo Chart.

- To conserve the canvas space on the dashboard.

- Using the Combo Chart you have a Line Chart and a Column Chart with the same X-axis.

7) Pie Charts

This Year Sales by Chain

Chain ● Fashions Direct ● Lindseys

Image Source
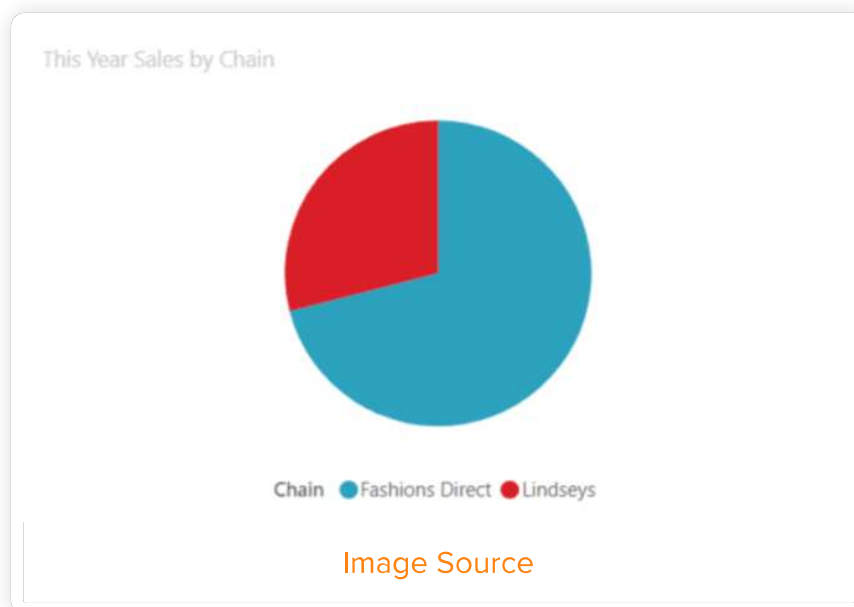
Pie Charts show the relationship of parts to a whole. These are the circular Charts that show the statical data using segments or divisions of a circle. Each portion of a Pie Chart corresponds to the percentage of that part and the sum of all the parts should always be 100%.

Pie Charts allow users to plot the same category of data and each slice of the Pie Chart shows the corresponding data point in number or percentage. These are best suited for plotting categorical data such as market share, proportional data, etc.

8) Doughnut Charts

This Year Sales by Chain

Lindseys $6M

Fashions Direct $16M

Image Source

Power BI Charts allow users to show data that has many categories using the Doughnut Chart. It is almost similar to the Pie Charts, the only difference is its blank from the center taking a shape of a doughnut, and provides space to label the categorical data with their percentage share. Remaining all the properties of the Doughnut Chart are the same as the Pie Chart.
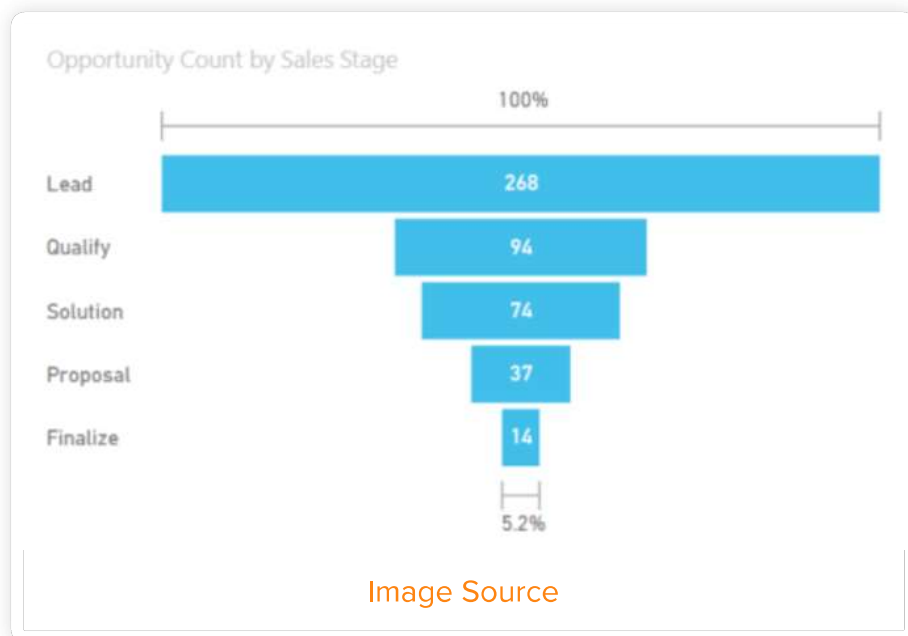
9) Decomposition Tree

Image Source

Decomposition tree is one of the unique and advanced Power BI Charts that allows users to visualize the data across multiple dimensions with ease. Using this Power BI Chart type, one can easily drill down into the data and get interactive insights.

Moreover Power BI features Artificial Intelligence in the Decomposition tree that helps users to understand data more easily and enables them to drill down to the next dimension of the data based on specific criteria. Decomposition trees help users perform ad-hoc analysis on data.

10) Funnel Charts

Opportunity Count by Sales Stage

		100%
Lead	268	
Qualify	94	
Solution	74	
Proposal	37	
Finalize	14	
	5.2%	

Image Source

Funnels are more inclined to be used in Marketing and Sales that comprise a process that has stages and needs to evaluate how the process or model works on refining or filtering the targets. Funnel Charts help in visualizing the data points flowing sequentially from one stage to the next one.

One of the most common use cases of this Power BI Chart is for Sales funnels where the Funnel Chart starts with leads and ends with order completion or purchase fulfillment.

11) KPIs

Total Units This Year and Total Units Last Year by Month

$482,537 !

Goal: $595,092 (-18.91%)

Image Source

KPI stands for Key Performance Indicator is a visual sign or indicator for the amount the progress made towards a measurable goal or performance of an activity or organization.

Power BI Charts and Visuals allow users to use KPI as a tile on Dashboards and enable them to have a quick glance at an important data point. Some of the best use of KPI are listed below:

- To determine the distance or goal from a specified target.

- To determine the progress of an activity.

12) Gauge Charts

Average of Gross Sales

$182.76K

$100K $250K

$200K

Gauge Chart is another Power BI Chart and Visuals that help users measure the progress of activity towards a goal just as similar to KPIs. It has a circular arc that displays a single value to measure the progress, just like a speedometer in vehicles shows speed.

The shaded region of the Gauge Chart shows the achieved progress and the target goal is represented by the needle or the line. It also has more space to it so that users can know the progress after achieving the target and move to the next one.

13) Waterfall Charts

Total Units Last Year by Category

● Increase ● Decrease ● Total

$2M

$1M

$0M

020-Mens   030-Kids   040-Juniors   010-Womens   Total

The Waterfall Chart is a unique Power BI Chart that shows the series of increasing and decreasing values or data continuously to reach the final or total value. This allows users to understand better how the final value is achieved by exploring each data point.

Gauge Charts contain columns where the series of data points are in the same color and the column for the final value is in another color to differentiate.

Some of the best use cases of Waterfall Charts are listed below:

- For auditing the changes that contribute to the total value.

- For illustrating the stating and ending headcount for the company for a specific period.

- Calculating total profit or loss by showing various sources.

14) Maps
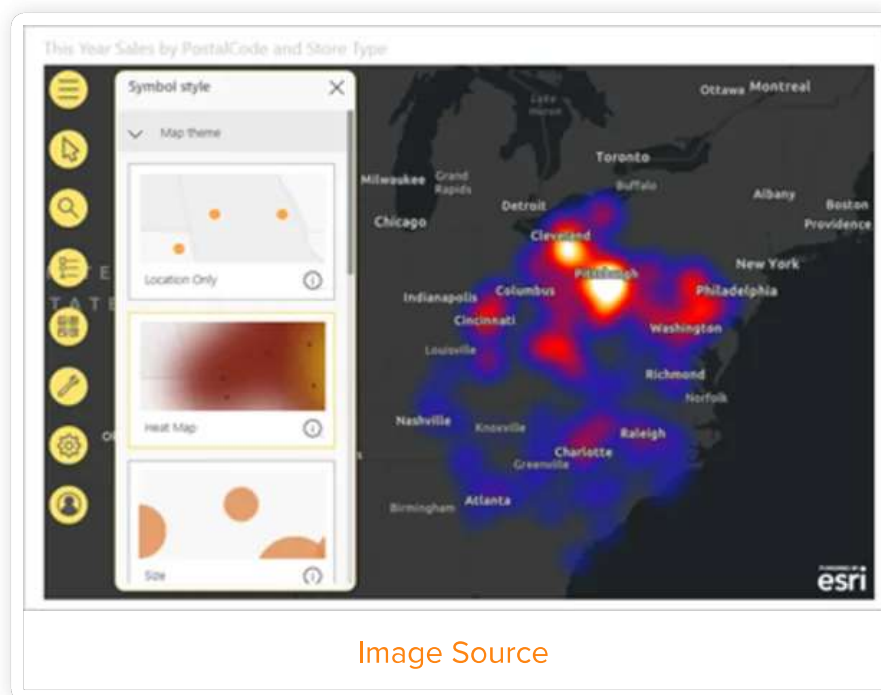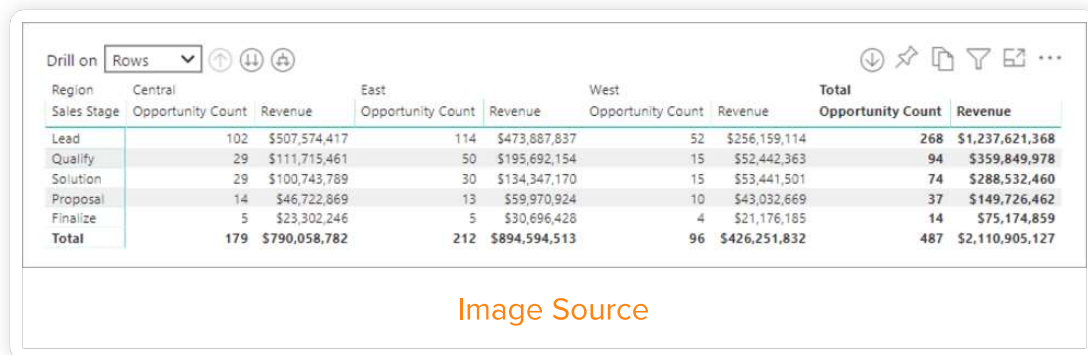
Adding Maps to the Power BI Chart types and Visual lists, allow users to integrate Maps in their Reporting. Power BI offers various kinds of Maps that are connected with Bing Maps. The different Maps that Power BI supports are listed below:

- Basic Map

- ArcGIS Map

- Azure Map

- Filled Map (Choropleth)

- Shape Map

15) Matrix

Image Source

The Matrix is a table visual that supports a stepped layout. The tables are unable to provide information for more than two dimensions but Matrix makes it easier to display data across multiple dimensions. Users can drill down based on different criteria such as rows and columns and cross-highlight other visuals on a report page.

Conclusion

In this article, you learnt about Power BI and how it helps in visualizing data easily. You also read about top Power BI Charts and Visuals that are widely used by organizations to understand data better and generate insights. There are many Power BI Charts and choosing the best one depends on the type of data and how users want to visualize data. Power BI is one the most used proprietary Businesses Intelligence tool.

VISIT OUR WEBSITE TO EXPLORE HEVO

Companies need to analyze their business data stored in multiple data sources. The data needs to be loaded to the Data Warehouse to get a holistic view of the data. Hevo Data is a No-code Data Pipeline solution that helps to transfer data from 100+ data sources such as Power BI to desired Data Warehouse. It fully automates the process of transforming and transferring data to a destination without writing a single line of code.

Want to take Hevo for a spin? SIGN UP here for a 14-day free trial and experience the feature-rich Hevo suite first hand.

Share your experience of learning about the top 15 Power BI Chart types and Visual lists in the comments section below!

No-code Data Pipeline For your Data Warehouse

TRY FOR FREE

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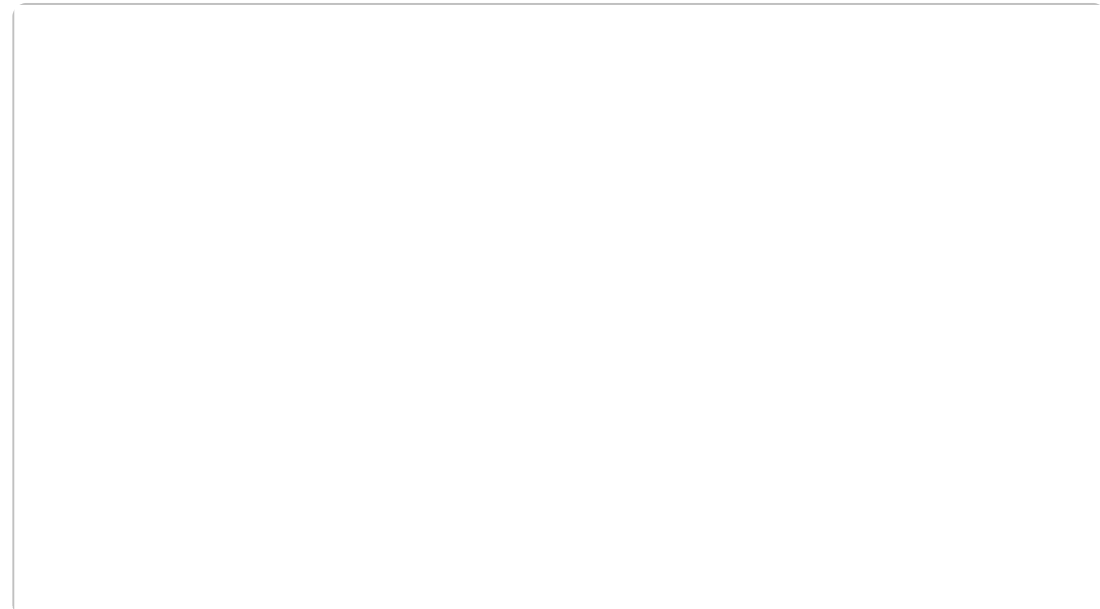
Power BI Visuals

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