POWER BI GRAPHS AND CHARTS

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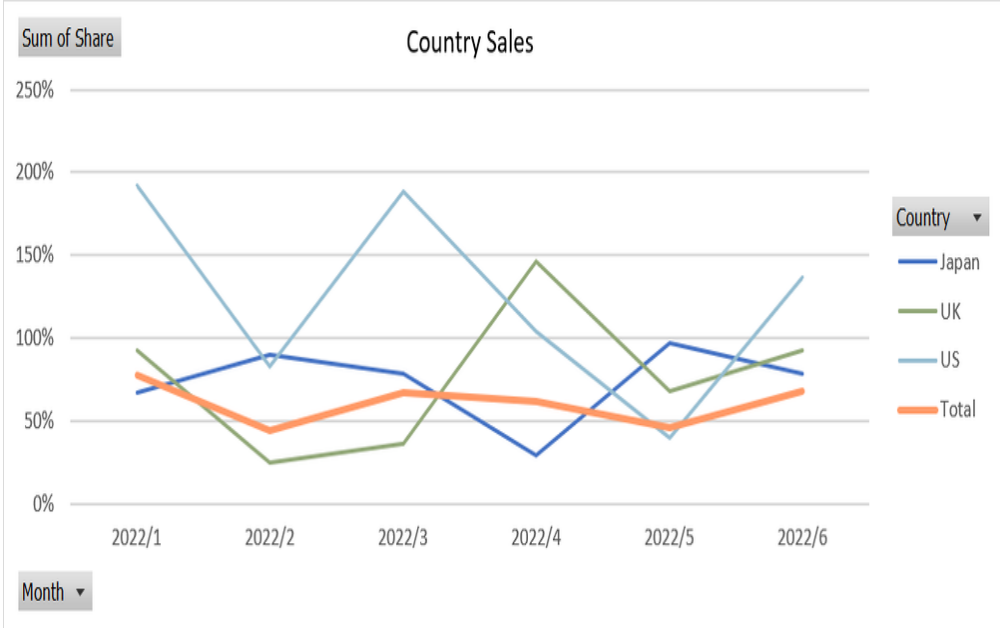
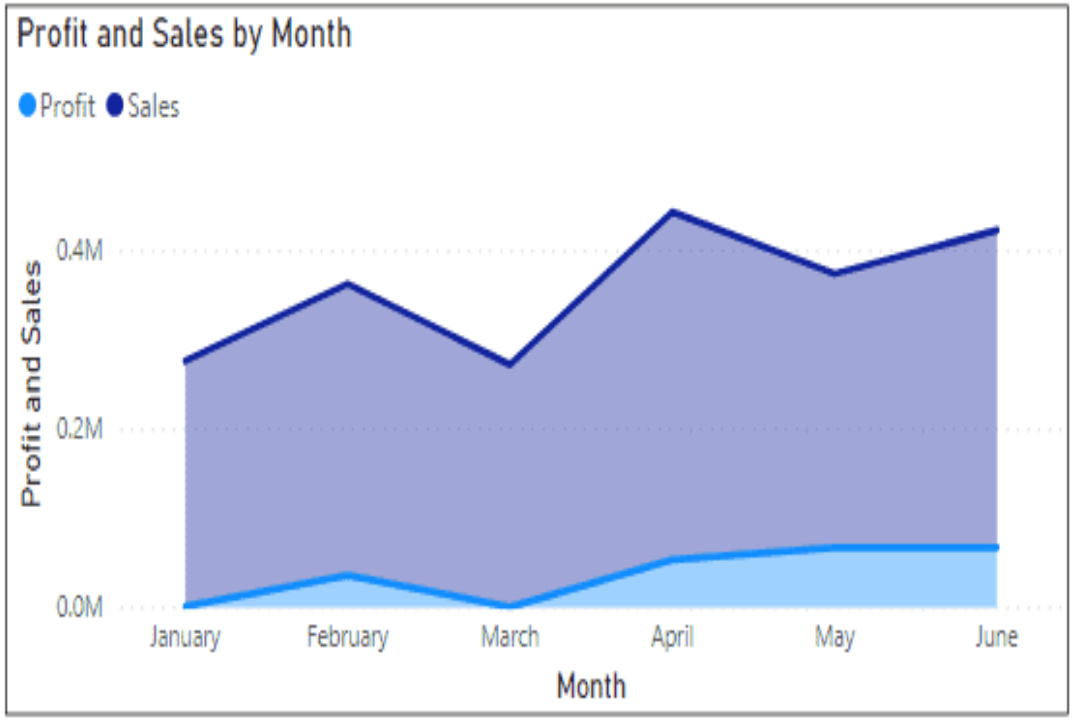
Line Chart

- A line chart is suitable for tracking changes and trends over time.
- The x-axis represents time (e.g., dates) or any other continuous variable, while the y-axis represents the values being measured.
- Ideal for analyzing stock prices, sales data, or any data that varies continuously.



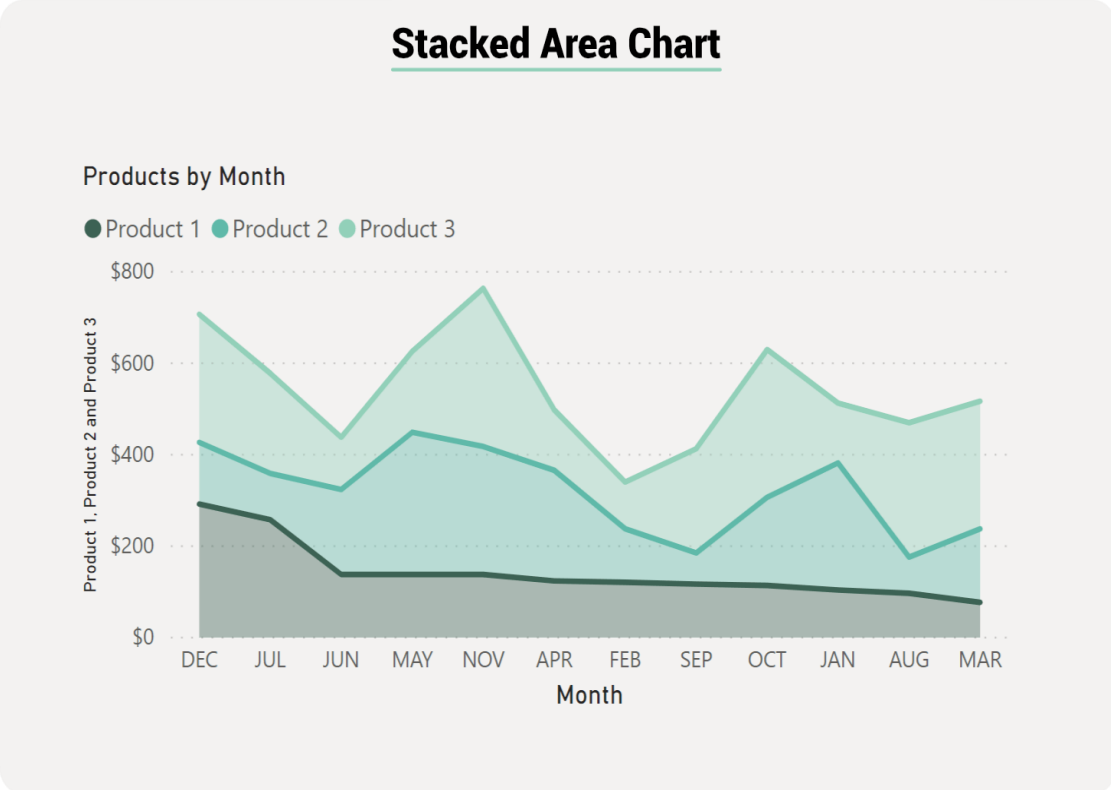
Area Chart

- An area chart is similar to a line chart but emphasizes the cumulative effect of data.
- It is useful when displaying data that needs to show the cumulative sum of values.
- The area under the line represents the accumulated value at any given point.



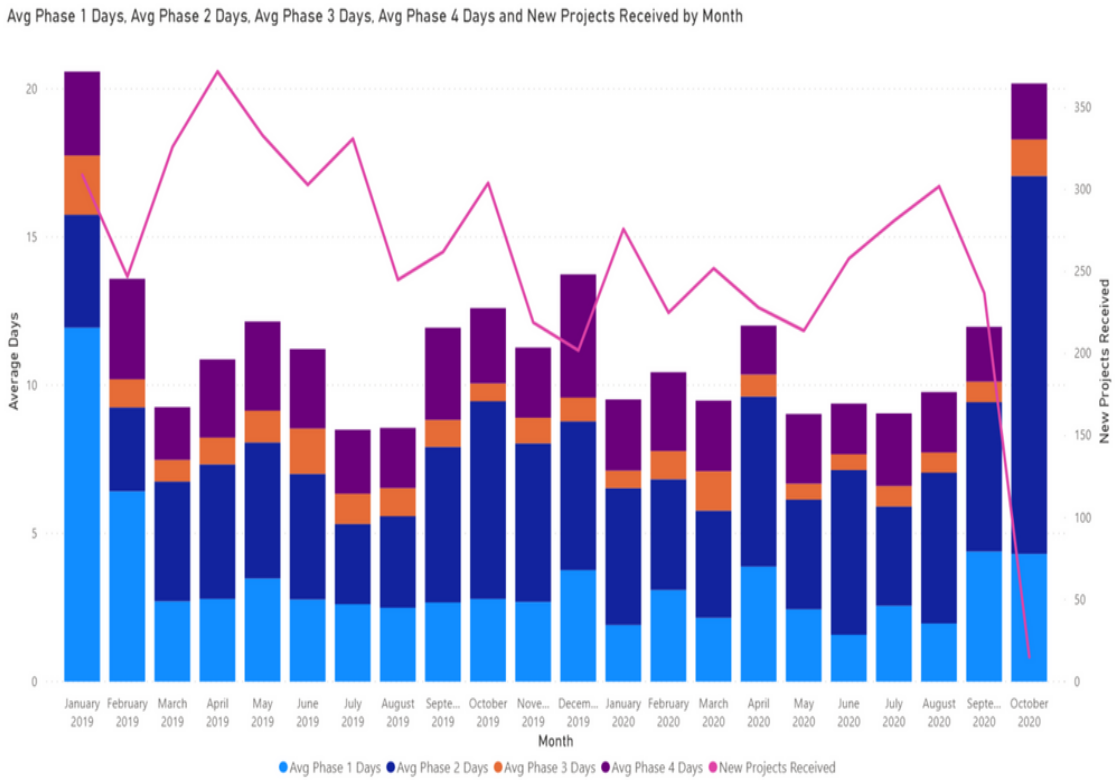
Stacked Area Chart

- A stacked area chart allows for the comparison of multiple cumulative data sets.
- Each category is layered on top of another, visually showing their contribution to the whole.
- Ideal for visualizing the cumulative performance of multiple products or departments.



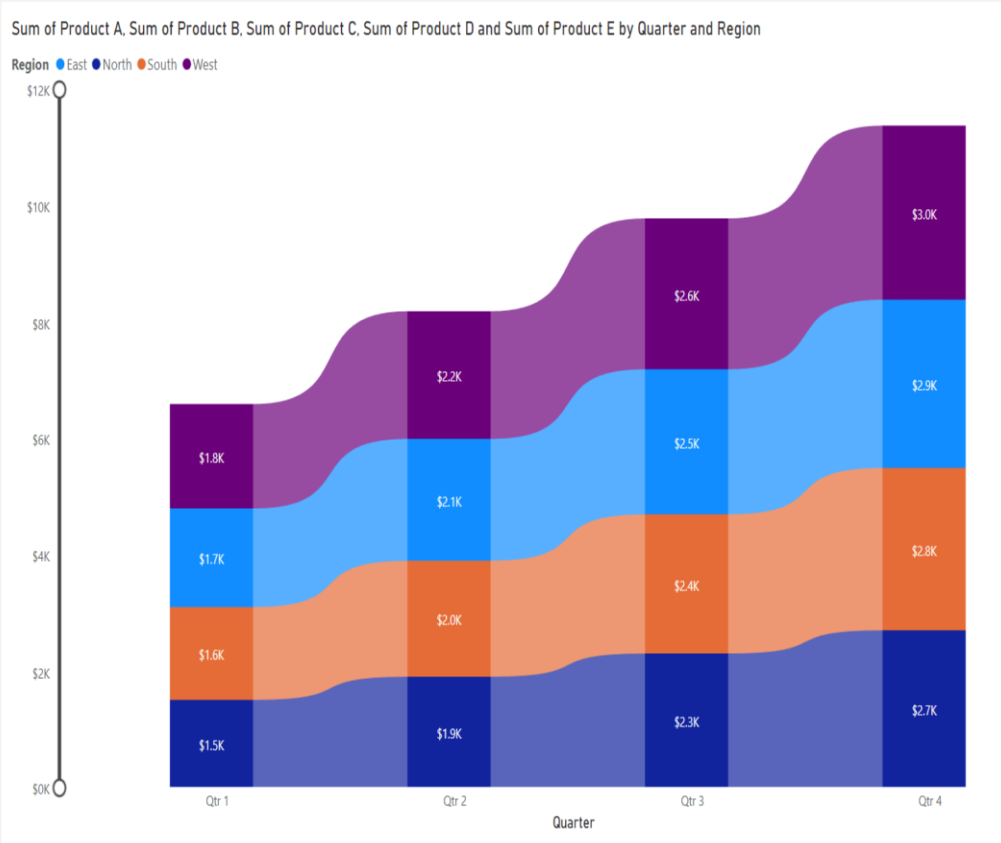
Line and Stacked Column Chart

- Line and Stacked Column Chart is a powerful visualization tool that combines the benefits of line and column charts in a single visual.
- It is useful for comparing and analyzing trends over time, as well as comparing different categories within a dataset.
- The line chart represents continuous data, while the stacked column chart represents categorical data.



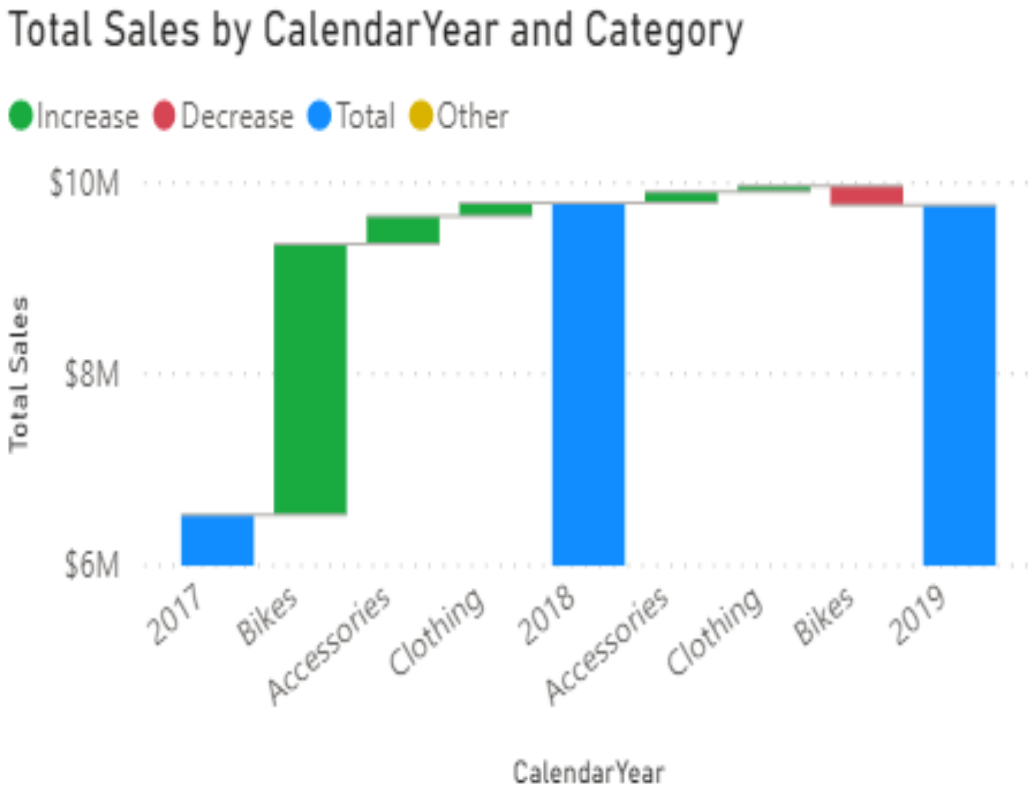
Ribbon Chart

- The Ribbon Chart is a unique visualization that enables the display of hierarchical data and trends.
- It is particularly useful for showing the progress or distribution of a specific category within a hierarchy.
- Each level of the hierarchy is represented by a ribbon, with the width of the ribbon indicating the proportion or value of the category.



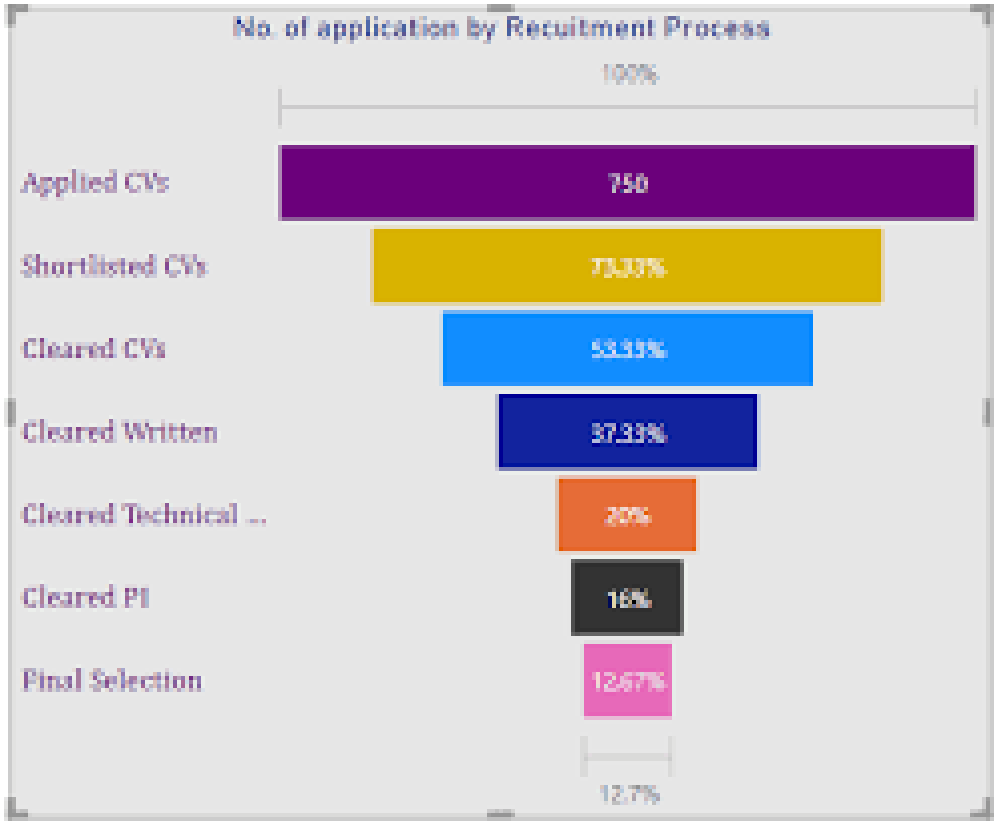
Waterfall Chart

- The Waterfall Chart is used to visualize positive and negative changes in data, typically financial data.
- It provides a clear representation of how each component contributes to the overall total, and highlights the impact of each component.



Funnel chart

- Funnel charts are used to represent sequential stages of a process.
- The width of each stage represents the quantity or value at that stage.
- Easy-to-understand visualization of conversion rates and sales
- Track and compare the performance of different stages

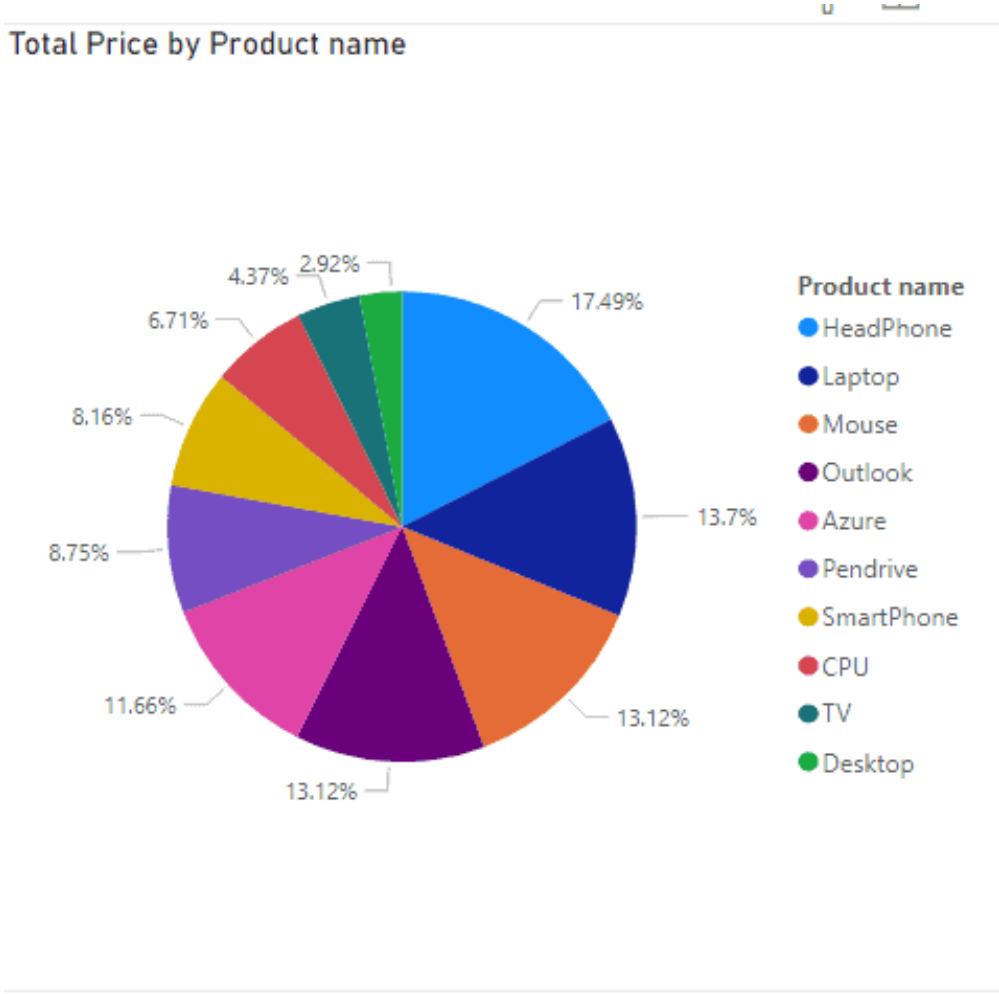


Scatter Chart

- Scatter charts display individual data points on a Cartesian plane
- Useful for identifying patterns, correlations, or outliers

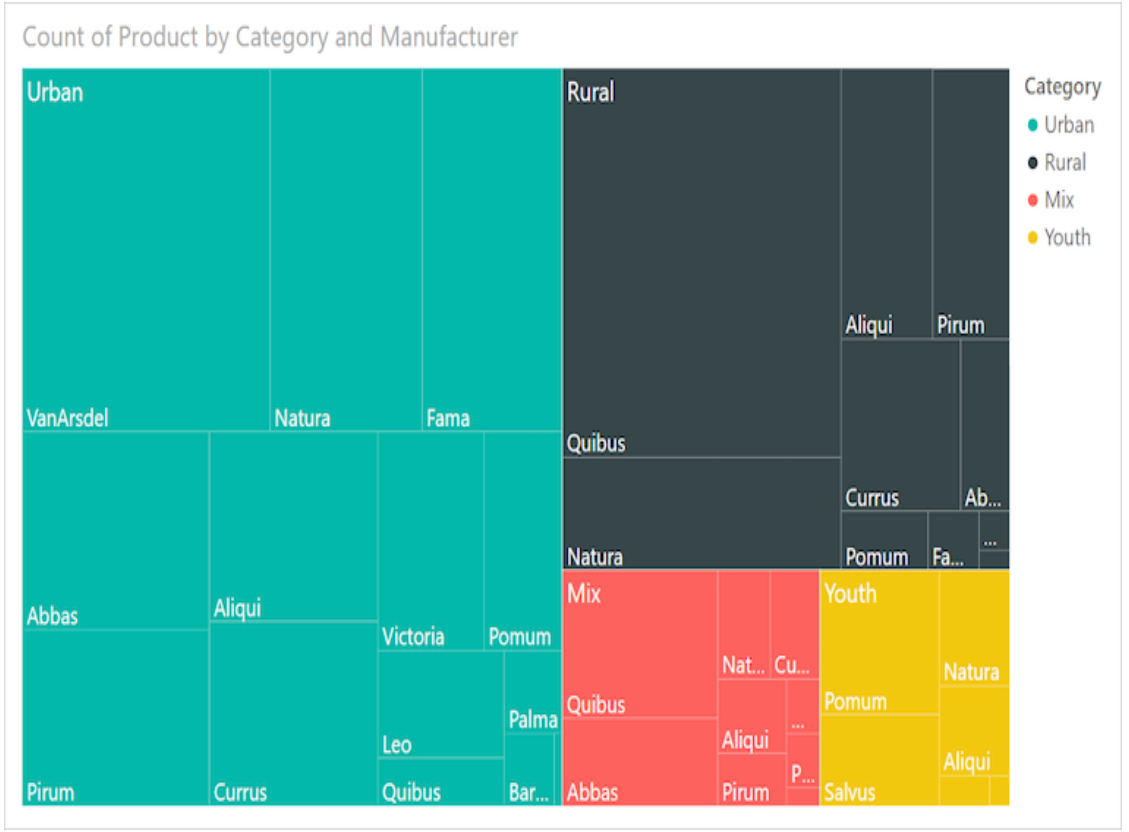
Pie Chart

- Pie charts represent data as slices of a circle
- Effective for showing the proportion of different categories



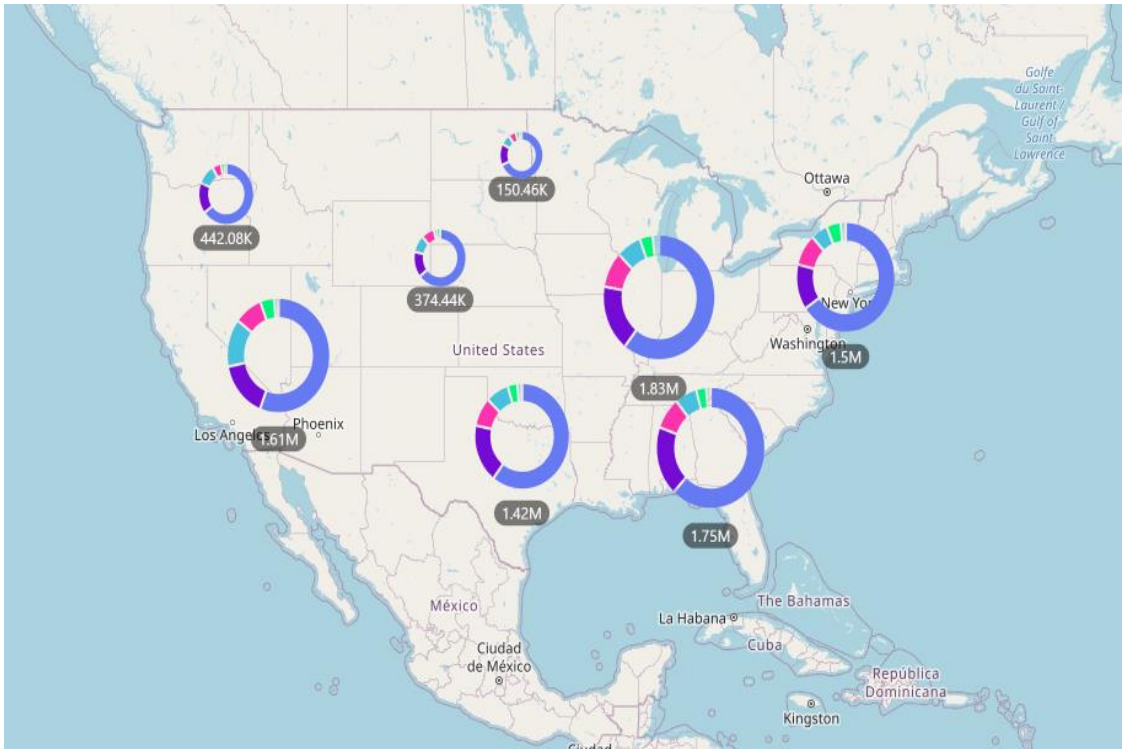
Tree Map

- Tree maps display hierarchical data using nested rectangles
- Size and color of each rectangle represent different attributes



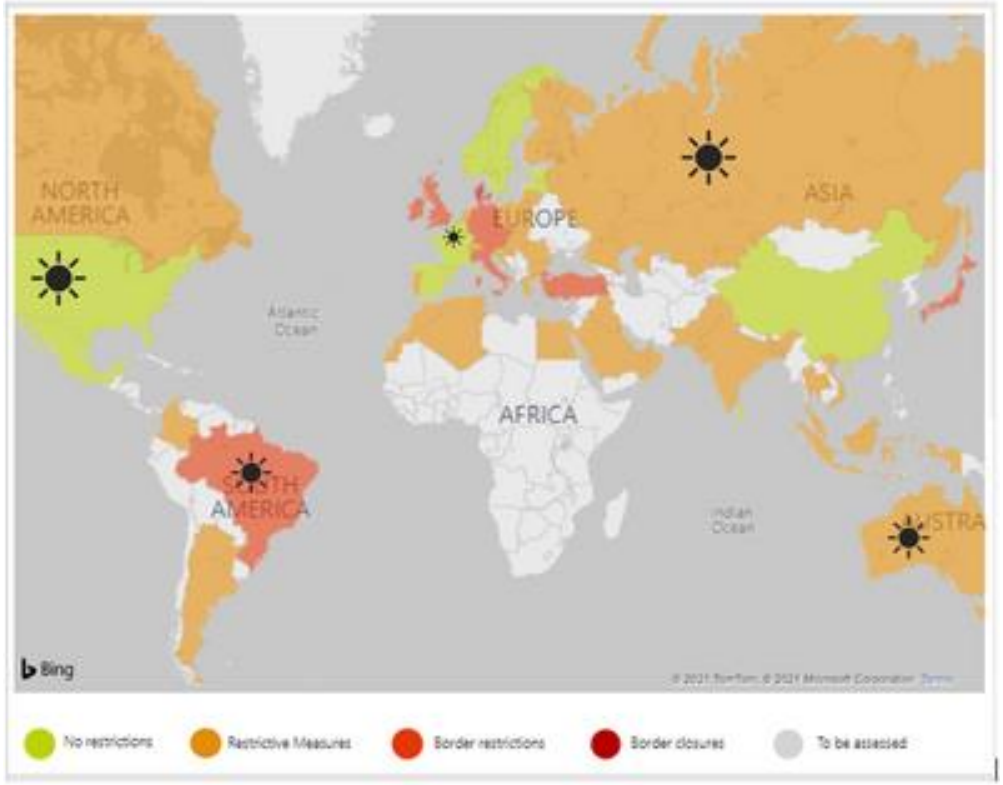
Map

- Maps display data on a geographic layout
- Useful for visualizing data based on location or region



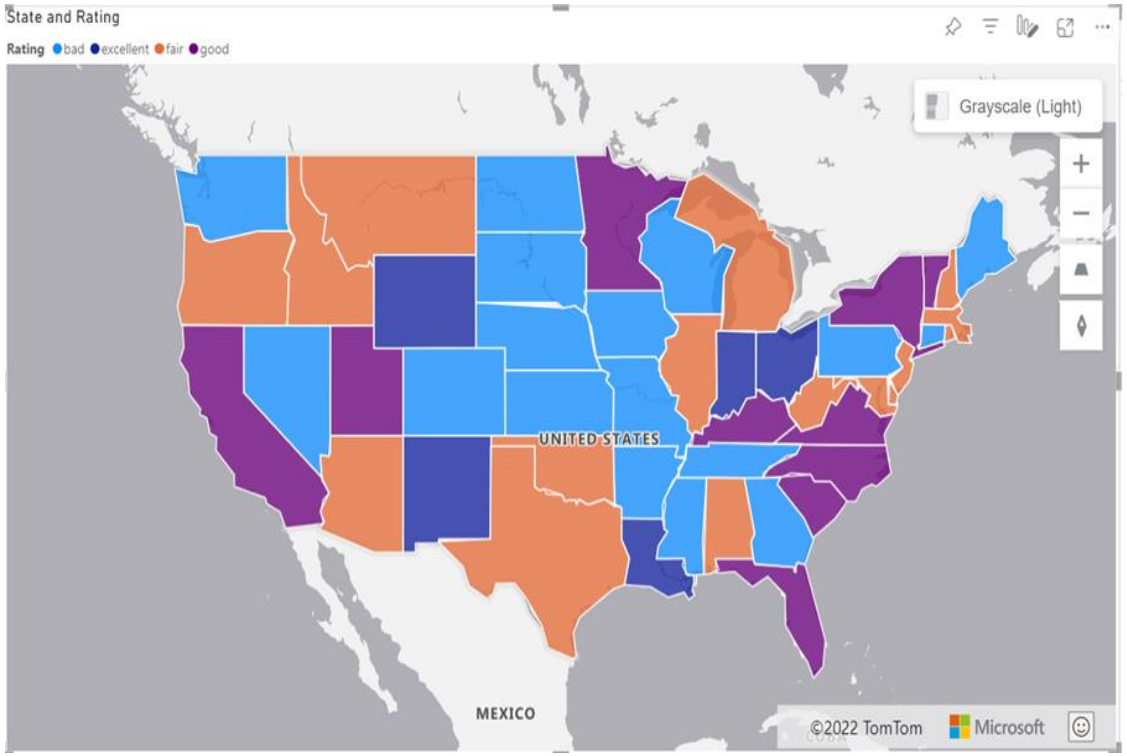
Filled Map

- Filled maps use color intensity to represent data values
- Ideal for illustrating data with a wide range of values



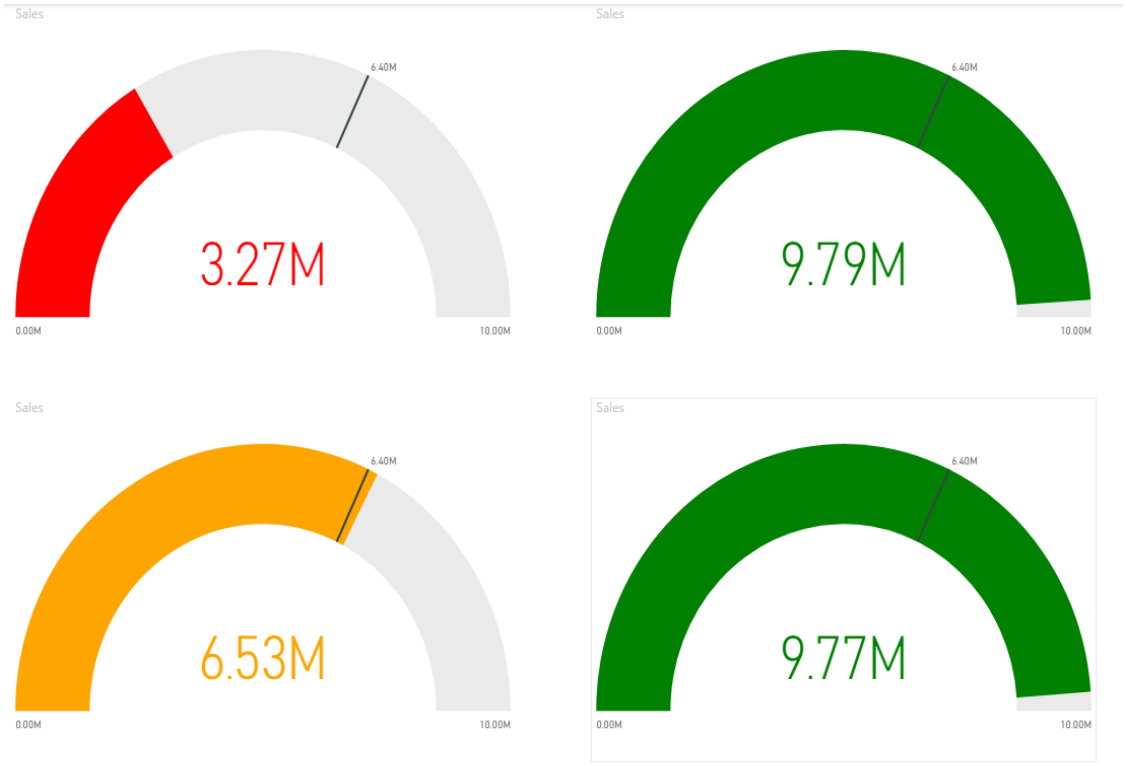
Azure Map

- Azure Maps integrate with Power BI for advanced mapping capabilities
- Provides geolocation, routing, and spatial analytics



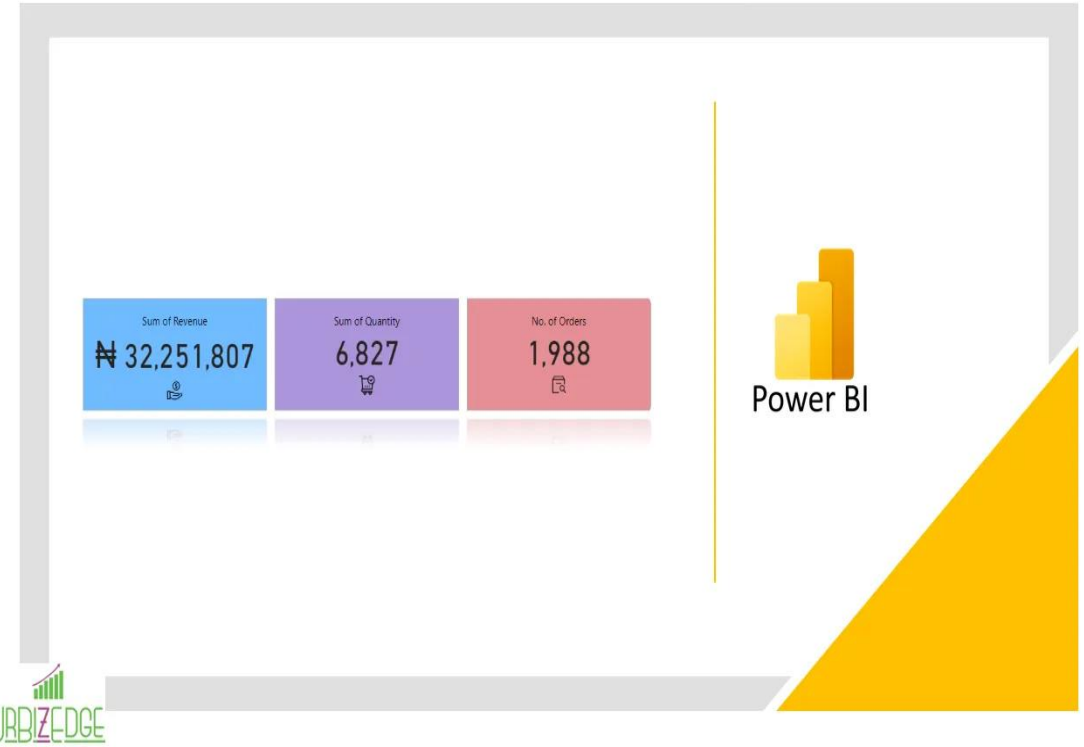
Gauge

- Gauges display a single value within a range
- Great for representing metric or KPI values



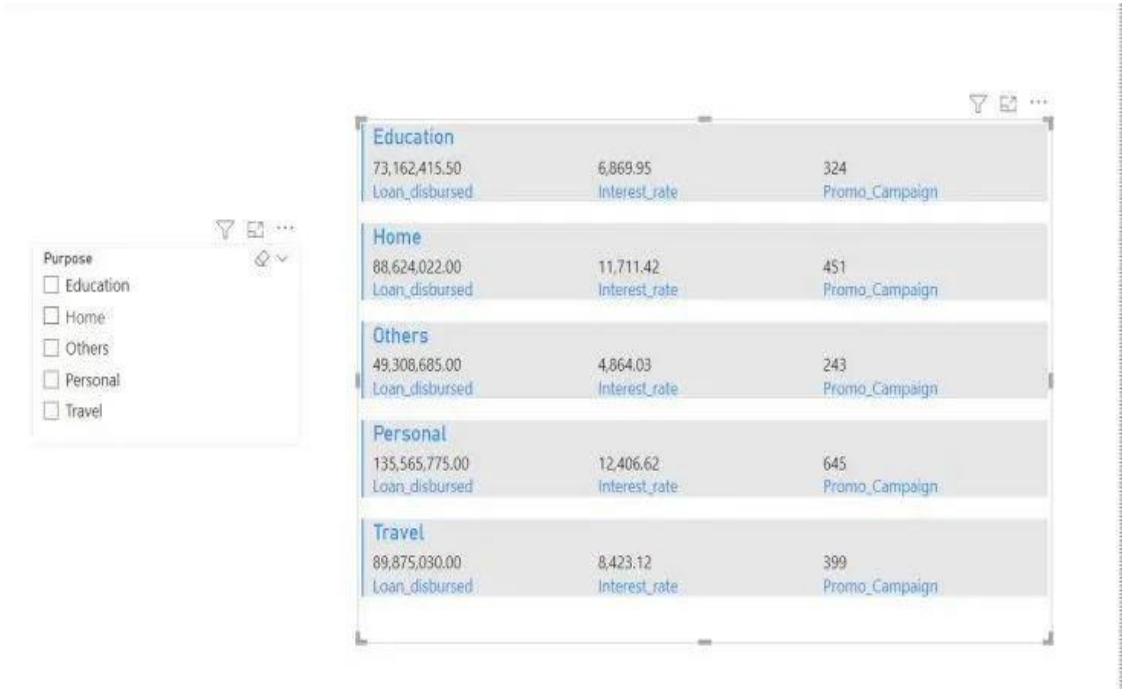
Card

- Card chart is used to display a single data point.
- It is useful for showing key performance indicators (KPIs) or summary information.



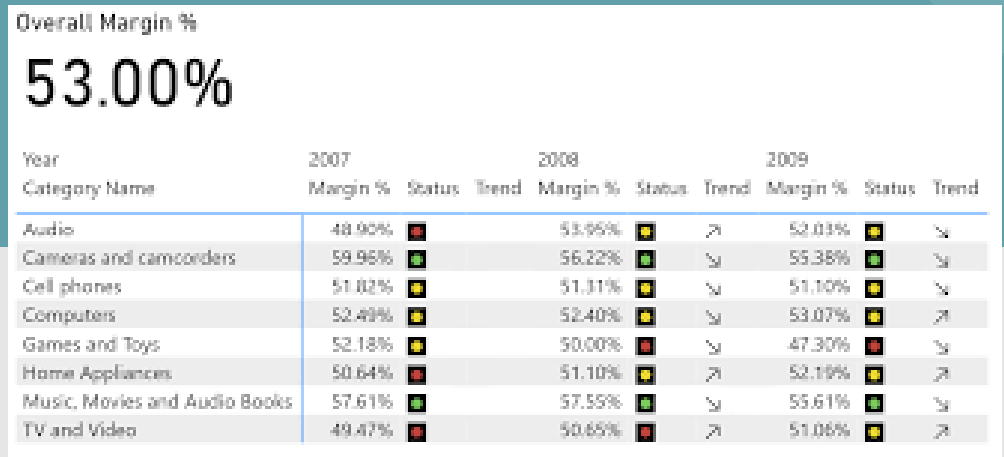
Multi Row Card

- Multi Row Card chart is used to display multiple data points in a tabular format.
- It can be used to present detailed information or data tables.



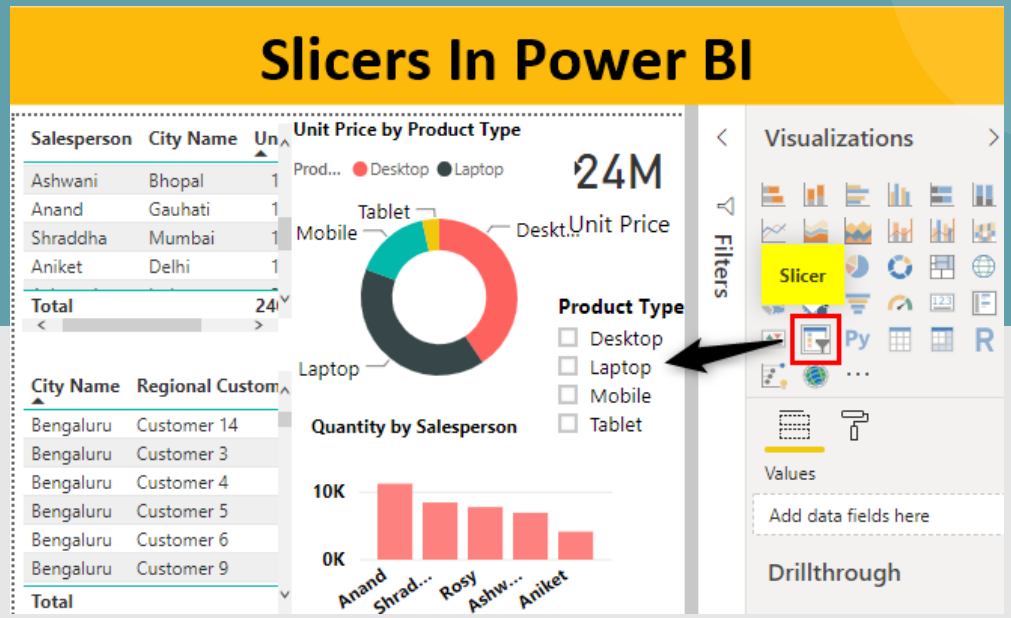
KPI

- KPI chart is used to measure and monitor key performance indicators.
- It provides a visual representation of business metrics and helps in tracking progress towards goals.



Slicer

- Slicer is used to filter data and analyze specific subsets of information.
- It provides an interactive way to explore and navigate data.



Table

- Table chart allows you to present data in a tabular format with rows and columns.
- It is useful for displaying detailed information or comparing multiple data points.

Category	This Year Sales Status	Average Unit Price Last Year	Last Year Sales	This Year Sales	This Year Sales Goal
010-Womens		$6.70	$2,680,662	$1,787,958	$2,680,662
020-Mens		$6.89	$4,453,133	$4,452,421	$4,453,133
030-Kids		$5.20	$2,726,892	$2,705,490	$2,726,892
040-Juniors		$7.06	$3,105,550	$2,930,385	$3,105,550
050-Shoes		$13.73	$3,640,471	$3,574,900	$3,640,471
060-Intimate		$4.02	$955,370	$852,329	$955,370
070-Hosiery		$3.57	$573,604	$486,106	$573,604
080-Accessories		$4.22	$1,273,096	$1,379,259	$1,273,096
090-Home		$3.28	$2,913,647	$3,053,326	$2,913,647
100-Groceries		$1.36	$810,176	$829,776	$810,176
Total		**$5.19**	**$23,132,601**	**$22,051,952**	**$23,132,601**

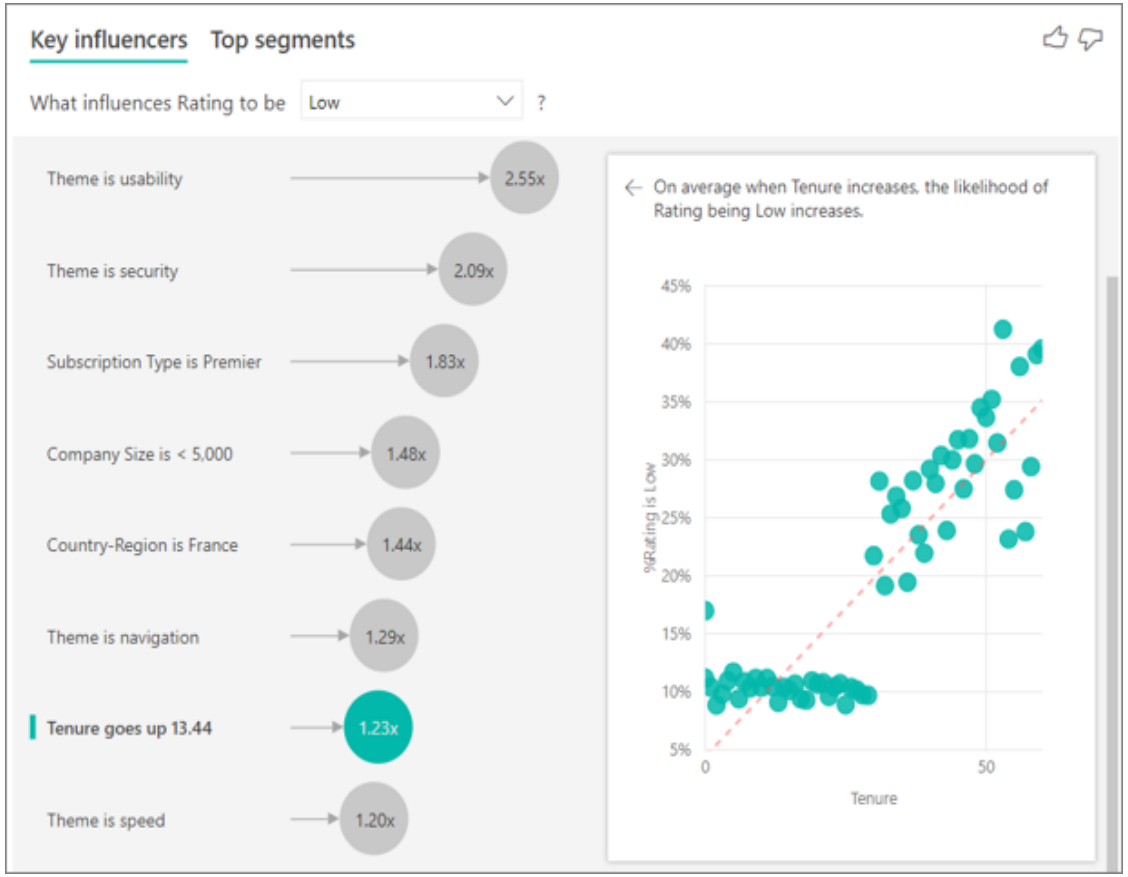
Matrix

- Matrix chart provides pivot table-like functionality in Power BI.
- It allows you to aggregate, summarize, and analyze data based on multiple dimensions.

Region	Central		East		West		Total	
Sales Stage	Opportunity Count	Revenue	Opportunity Count	Revenue	Opportunity Count	Revenue	Opportunity Count	Revenue
Lead								
Small	26	$22,907,676	38	$47,428,906	11	$11,889,018	**75**	**$82,225,600**
Medium	25	$96,249,147	30	$116,539,256	18	$72,871,697	**73**	**$285,660,100**
Large	40	$321,876,492	33	$255,568,275	18	$149,636,713	**91**	**$727,081,480**
Total	**91**	**$441,033,315**	**101**	**$419,536,437**	**47**	**$234,397,428**	**239**	**$1,094,967,180**
Qualify								
Small	10	$11,550,016	19	$23,925,214	5	$5,695,989	**34**	**$41,171,219**
Medium	12	$48,820,525	19	$71,617,016	8	$33,018,968	**39**	**$153,456,509**
Large	7	$51,344,920	12	$100,149,924	2	$13,727,406	**21**	**$165,222,250**
Total	**29**	**$111,715,461**	**50**	**$195,692,154**	**15**	**$52,442,363**	**94**	**$359,849,978**
Solution								
Small	13	$13,771,741	8	$10,283,935	7	$7,155,493	**28**	**$31,211,169**
Medium	9	$38,048,946	13	$54,729,272	4	$16,363,417	**26**	**$109,141,635**
Large	7	$48,923,102	9	$69,333,963	4	$29,922,591	**20**	**$148,179,656**
Total	**29**	**$100,743,789**	**30**	**$134,347,170**	**15**	**$53,441,501**	**74**	**$288,532,460**
Proposal								
Small	8	$13,095,186	3	$4,770,862	3	$3,720,287	**14**	**$21,586,335**
Medium	4	$15,283,161	6	$25,607,581	5	$21,456,937	**15**	**$62,347,679**
Large	2	$18,344,522	4	$29,592,481	2	$17,855,445	**8**	**$65,792,448**
Total	**14**	**$46,722,869**	**13**	**$59,970,924**	**10**	**$43,032,669**	**37**	**$149,726,462**
Finalize								
Small	1	$1,788,307	1	$1,693,585			**2**	**$3,481,892**
Medium	2	$8,974,009			2	$7,926,517	**4**	**$16,900,526**
Large	2	$12,539,930	4	$29,002,843	2	$13,249,668	**8**	**$54,792,441**
Total	**5**	**$23,302,246**	**5**	**$30,696,428**	**4**	**$21,176,185**	**14**	**$75,174,859**
Total	**168**	**$723,517,680**	**199**	**$840,243,113**	**91**	**$404,490,146**	**458**	**$1,968,250,939**

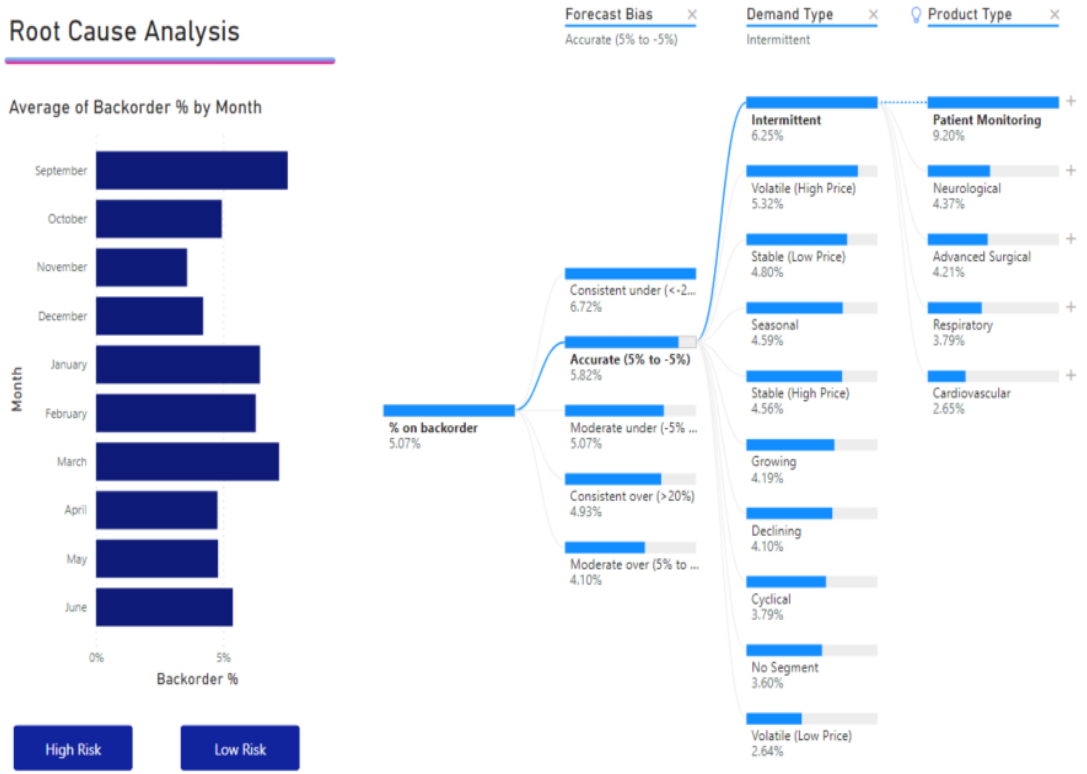
Key Influencers

- Key Influencers chart helps you identify the factors that have the most impact on an outcome.
- It uses machine learning algorithms to analyze data and determine the significant contributors.



Decomposition Tree

- Decomposition tree is a powerful visualization tool in Power BI that allows users to explore hierarchical data in a structured manner
- It presents data in a tree-like structure, with each branch representing a category or attribute
- Users can easily drill down into the data, analyze different levels of granularity, and identify patterns and trends

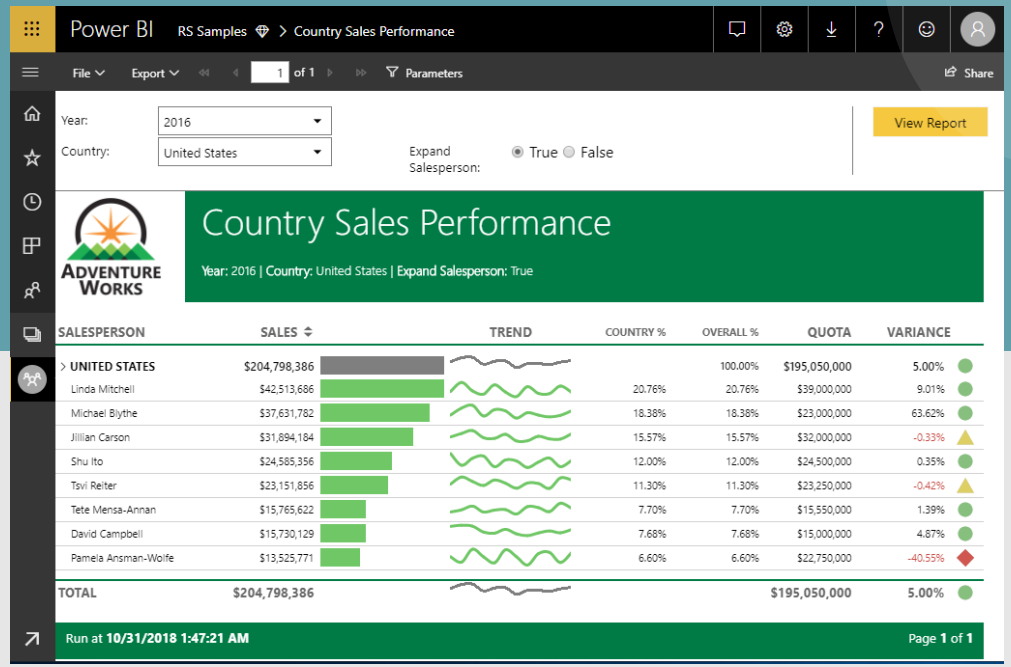


Smart Narrative

- Smart narrative is a feature in Power BI that automatically generates insights and explanations in natural language
- It helps users understand trends, patterns, and anomalies in the data by providing clear and concise explanations
- By using machine learning algorithms, Power BI can analyze data and write summaries in plain language

Paginated Report

- Paginated reports offer a way to create and distribute highly formatted, pixel-perfect reports
- They are ideal for printing or generating PDFs and can be used to design invoices, sales reports, and other documents
- With features like tables, matrices, charts, and images, paginated reports provide a powerful tool for presenting data in a visually appealing manner



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