

VISUALIZATION IN POWER BI

Area charts: Basic (Layered) and Stacked

This Year Sales and Last Year Sales by FiscalMonth

● This Year Sales ● Last Year Sales



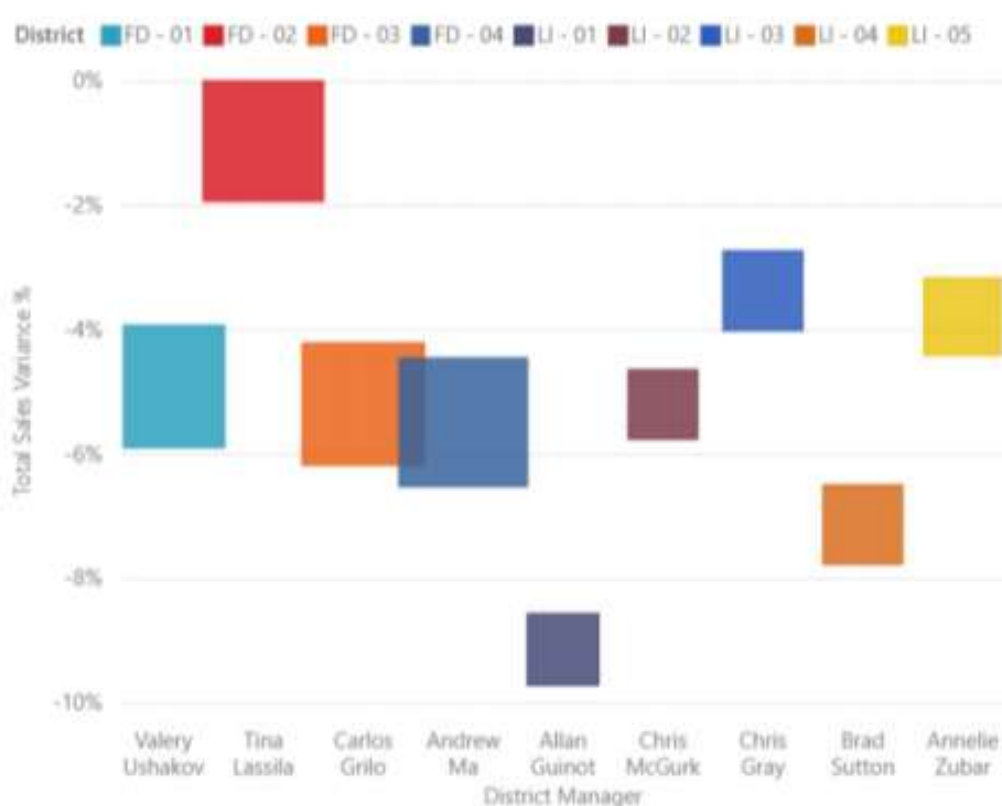
The basic area chart is based on the line chart with the area between the axis and line filled in. Area charts emphasize the magnitude of change over time, and can be used to draw attention to the total value across a trend. For example, data that represents profit over time can be plotted in an area chart to emphasize the total profit.

Gauge charts

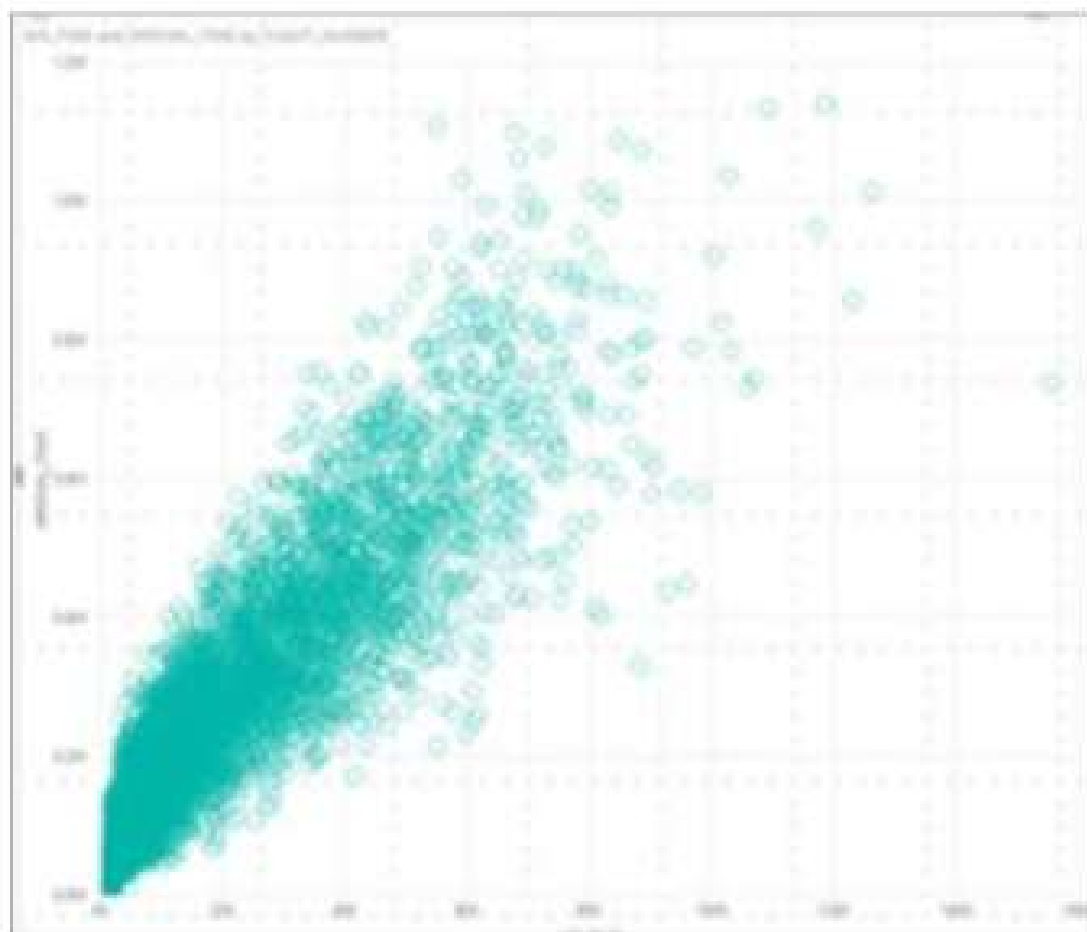
Average of Gross Sales



Total Sales Variance % and This Year Sales by District and District Manager



Scatter-high density



Month: May



- ☐ January
- ☐ February
- ☐ March
- ☐ April
- ☒ May
- ☐ June
- ☐ July
- ☐ August
- ☐ September
- ☐ October
- ☐ November
- ☐ December

Treemaps

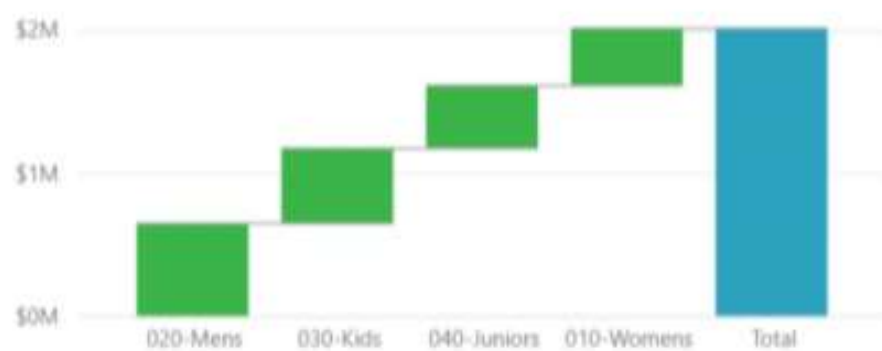
Total Units Last Year by Category

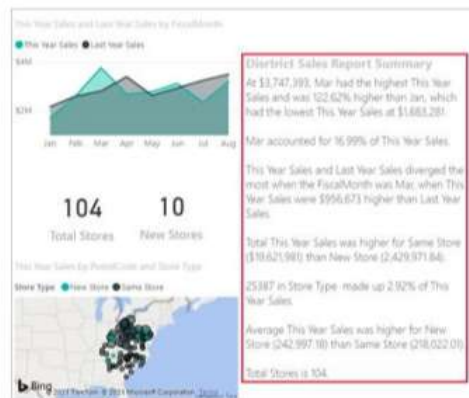


Waterfall charts

Total Units Last Year by Category

● Increase ● Decrease ● Total





The Smart narrative adds text to reports to point out trends, key takeaways, and add explanations and context. The text helps users to understand the data and identify the important findings quickly.

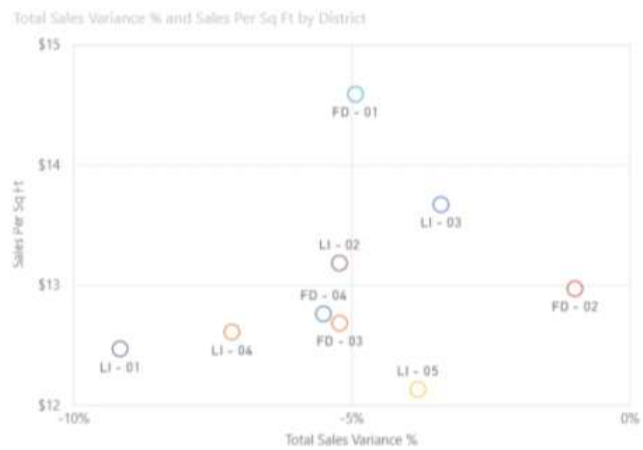
Standalone images



A standalone image is a graphic that has been added to a report or dashboard.

Tables

Category	This Year Sales Status	Average Unit Price	Last Year Sales	This Year Sales	This Year Sales Goal
080-Accessories	●	\$4.84	\$1,273,096	\$1,379,239	\$1,273,096
090-Home	●	\$3.93	\$2,913,647	\$3,053,326	\$2,913,647
100-Groceries	●	\$1.47	\$810,176	\$829,776	\$810,176
020-Mens	●	\$7.12	\$4,453,133	\$4,452,421	\$4,453,133
030-Kids	●	\$5.30	\$2,726,892	\$2,705,490	\$2,726,892
050-Shoes	●	\$13.84	\$3,640,471	\$3,574,900	\$3,640,471
010-Womens	●	\$7.30	\$2,680,662	\$1,787,958	\$2,680,662
040-Juniors	●	\$7.00	\$3,105,550	\$2,930,389	\$3,105,550
060-Intimate	●	\$4.28	\$955,370	\$852,329	\$955,370
070-Hosiery	●	\$3.69	\$573,604	\$486,106	\$573,604
Total	●	\$5.49	\$23,132,601	\$22,051,952	\$23,132,601



A bubble chart replaces data points with bubbles, with the bubble size representing an additional dimension of the data.



Help Q&A understand people's questions better by adding synonyms...

Add synonyms now

Ask a question about your data

Try one of these to get started

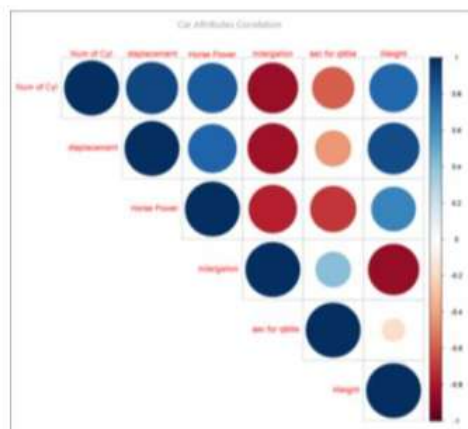
what is the total store
by city

what is the total sales
by category

what is the total sales LY
by category

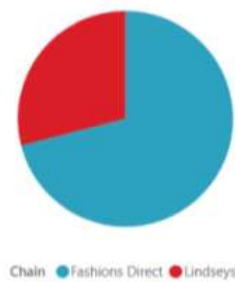
Show all suggestions

R script visuals



Ribbon chart

This Year Sales by Chain



Pie charts show the relationship of parts to a whole.

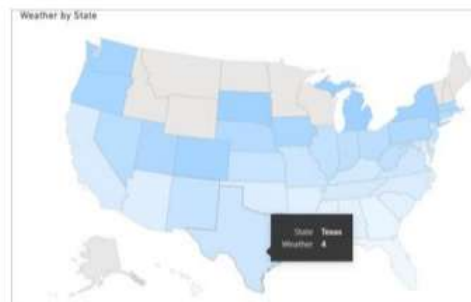
Power Apps visual

Customer Fusion Tomo		Fusion Tomo
Account Manager Ellisabeth Iverson	In FastTrack Program <input checked="" type="checkbox"/>	
Sales Region Northwest	Contact Sales Team Request call with customer	
Estimated Value \$ 450,707		Submit

Report designers can create a Power App and embed it into a Power BI report as a visual. Consumers can interact with that visual within the Power BI report.

Q&A visual

Shape map



Shape maps compare regions on a map using color. A shape map can't show precise geographical locations of data points on a map. Instead, its main purpose is to show relative comparisons of regions on a map by coloring them differently..

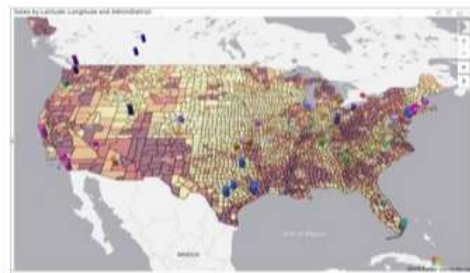
Matrix

[illegible]

The matrix visual is a type of table visual (see [Tables](#) in this article) that supports a stepped layout. A table supports two dimensions, but a matrix makes it easier to display data meaningfully across multiple dimensions. Often, report designers include matrices in reports and dashboards to allow users to select one or more element (rows, columns, cells) in the matrix to cross-highlight other visuals on a report page

Pie charts

Azure map



Tip

Used to associate both categorical and quantitative information with spatial locations.

Filled map (Choropleth)



A filled map uses shading or tinting or patterns to display how a value differs in proportion across a geography or region. Quickly display these relative differences with shading that ranges from light (less-frequent/lower) to dark (more-frequent/more).

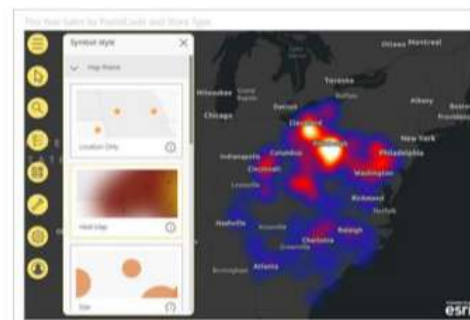
Maps

Basic map



Use a basic map to associate both categorical and quantitative information with spatial locations.

ArcGIS map



The combination of ArcGIS maps and Power BI takes mapping beyond the presentation of points on a map to a whole new level. The available options for base maps, location types, themes, symbol styles, and reference layers creates gorgeous informative map visuals. The combination of authoritative data layers (such as census data) on a map with spatial analysis conveys a deeper understanding of the data in your visual.



A Key Performance Indicator (KPI) is a visual cue that communicates the amount of progress made toward a measurable goal.

KPIs are a great choice:

- To measure progress (what am I ahead or behind on?).
- To measure distance to a metric (how far ahead or behind am I?).

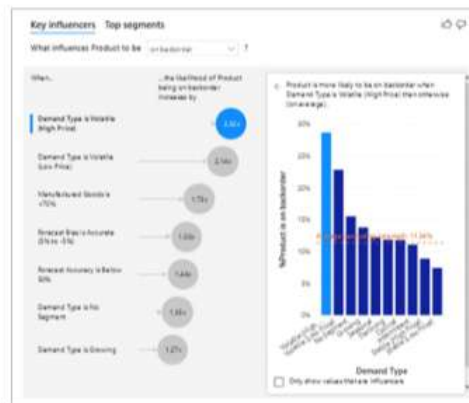
Line charts



Line charts emphasize the overall shape of an entire series of values, usually over time.

- Show progress toward a goal.
- Represent a percentile measure, like a KPI.
- Show the health of a single measure.
- Display information that can be quickly scanned and understood.

Key influencers chart



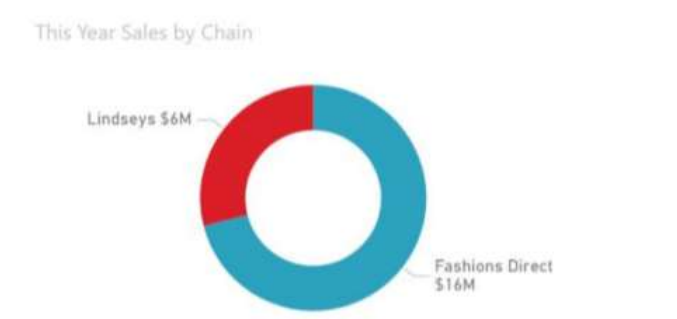
A key influencer chart displays the major contributors to a selected result or value.

Key influencers are a great choice to help you understand the factors that influence a key metric. For example, ***what influences customers to place a second order*** or ***why were sales so high last June***.

KPIs

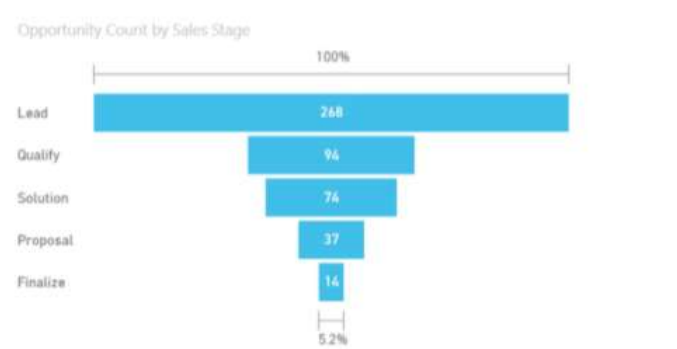
in any order. It is also an artificial intelligence (AI) visualization, so you can ask it to find the next dimension to drill down into based on certain criteria. This makes it a valuable tool for ad hoc exploration and conducting root cause analysis.

Doughnut charts



Doughnut charts are similar to pie charts. They show the relationship of parts to a whole. The only difference is that the center is blank and allows space for a label or icon.

Funnel charts



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



A combo chart combines a column chart and a line chart. Combining the two charts into one lets you make a quicker comparison of the data. Combo charts can have one or two Y axes, so be sure to look closely.

Combo charts are a great choice:

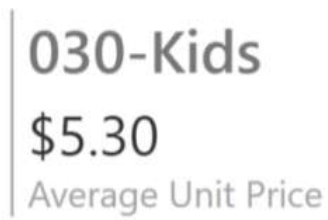
- When you have a line chart and a column chart with the same X axis.
- To compare multiple measures with different value ranges.
- To illustrate the correlation between two measures in one visual.
- To check whether one measure meets the target which is defined by another measure.
- To conserve canvas space.

Decomposition tree



The decomposition tree visual lets you visualize data across multiple dimensions. It automatically aggregates data and enables drilling down into your dimensions

Multi row



Multi row cards display one or more data points, one per row.

Single number



Single number cards display a single fact, a single data point. Sometimes a single number is the most important thing you want to track in your Power BI dashboard or report, such as total sales, market share year over year, or total opportunities.

Combo charts