

Visualization in Power BI - 1

THREE KEY QUESTIONS

Report View

1. What TYPE OF DATA are you working with?

- Geospatial? Time-series? Hierarchical? Financial?

2. What do you want to COMMUNICATE?

- Comparison? Composition? Relationship? Distribution?

3. Who is the END USER and what do they need?

- Analyst? Manager? Executive? General public?

Here , we show Health of the business at the top

You can create your dashboard in more granular level

DASHBOARD DESIGN FRAMEWORK

1. Define the purpose

Health

2. Choose the right metrics

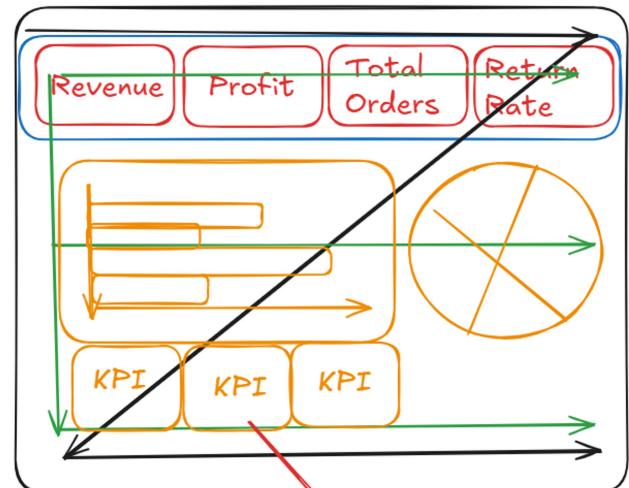
3. Present the data effectively

4. Eliminate clutter & noise

5. Use layout to focus attention

6. Tell a clear story

Sketching the Dashboard.....



Condition based result.

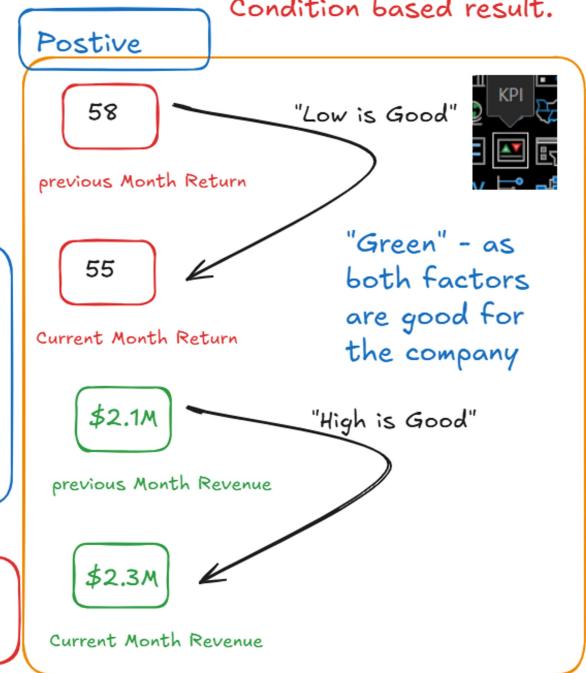
A well-designed dashboard should serve a distinct purpose for a distinct audience, use clear and effective metrics and visuals, and provide a simple, intuitive user experience.

Key questions to consider:

- Who are the end-users of your dashboard?
- What are their key business goals and objectives?
- What are the most important questions they need answers to?
- How can I present information as clearly as possible?

"" Perfection is achieved not when there is nothing more to add, but when there is nothing left to take away ""

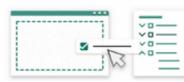
Condition based result.



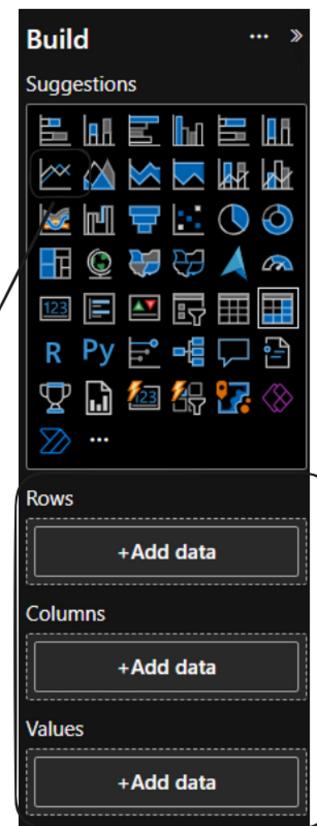
Canva

Build visuals with your data

Select or drag fields from the Data pane onto the report canvas.



Every visual has different intake.



Filters

Search

Filters on this visual

Add data fields here

Filters on this page

Add data fields here

Filters on all pages

Page 1 Page 2 Page 3 Page 4

Add data fields here

Slicers

→ Single Slicers

→ Multiple Slicers

Single Slicer Example:

- COUNTRY, CITY, PRODUCTLINE
 - Australia
 - Chatswood
 - Glen Waverly
 - Melbourne
 - Classic Cars
 - Motorcycles
 - Planes
 - Trucks and Buses
 - Vintage Cars
 - North Sydney
 - South Brisbane
 - Austria
 - Belgium
 - Canada
 - Denmark
 - Finland
 - France
 - Germany
 - Ireland
 - Italy
 - Japan
 - Norway
 - Philippines

Multiple Slicer Example:

- COUNTRY
 - Australia
 - Austria
 - Belgium
 - Canada
 - Finland
 - France
 - Germany
 - Ireland
 - Italy
 - Japan
 - Norway
 - Philippines
 - Singapore
 - Spain
 - Sweden
 - Switzerland
 - UK
 - USA
- CITY
 - Chatswood
 - Glen Waverly
 - Melbourne
 - North Sydney
 - South Brisbane
- PRODUCTLINE
 - Classic Cars
 - Motorcycles
 - Planes
 - Ships
 - Trains
 - Trucks and Buses
 - Vintage Cars

Date Hierarchy Slicer:

- DateTable
 - Date
 - Date Hierarchy
 - Year
 - Quarter
 - Month
 - Day

Options Slicer:

Style

Vertical list

Vertical list (highlighted)

Tile

Dropdown

The screenshot shows the Power BI interface with two date slicers and a visual settings pane.

- Date Slicers:**
 - Top-left: "OrderDateOnly" with dropdowns for "Last" (10), "Years" (10), and a date range from "03-04-2015 - 02-04-2025".
 - Bottom-left: "OrderDateOnly" with dropdowns for "01-01-2012" and "08-08-2017".
- Visual Settings:**
 - Right pane: "Visualizations" tab selected, with a "Format visual" icon highlighted by an orange box.
 - Search bar: "Search" (placeholder: "Search")
 - Visual tab: "General" tab selected.
 - Other sections: "Slicer settings", "Slicer header (On)", and "Values".

Cards / Multicards

\$8.29M
Total Revenue

99067
Sum of QUANTITYORD...

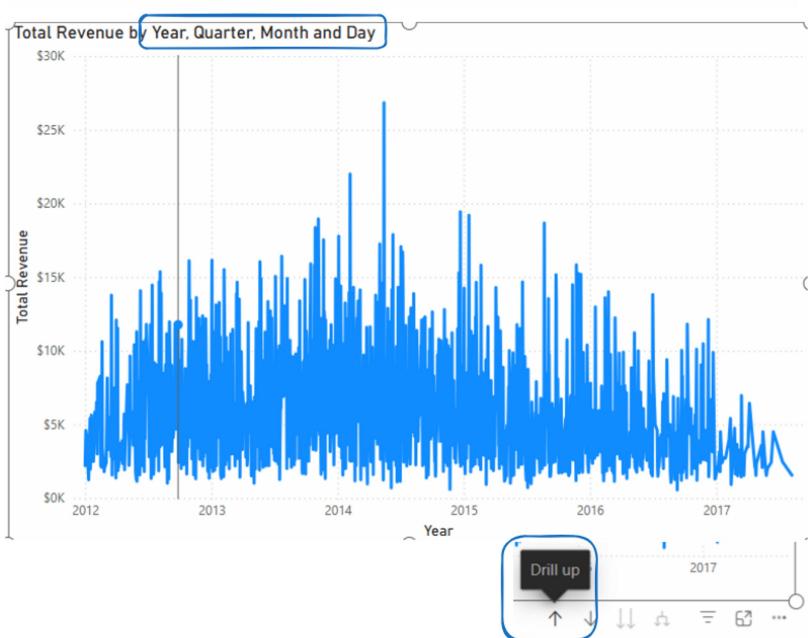
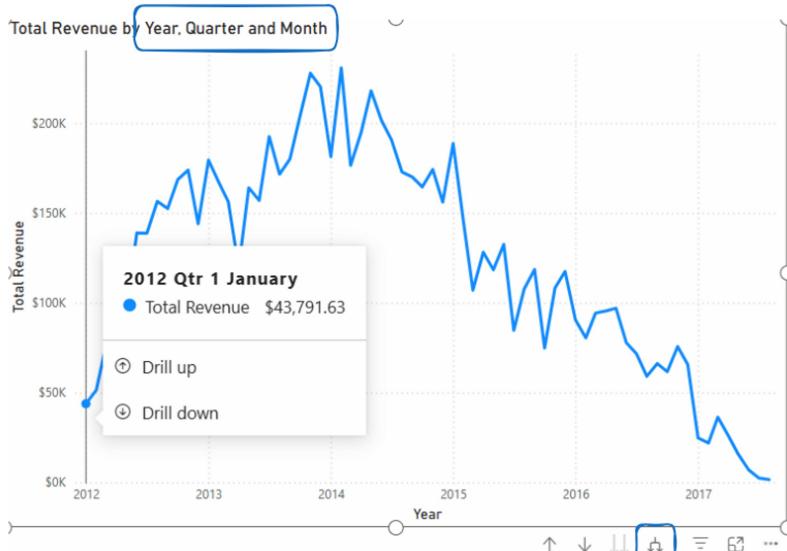
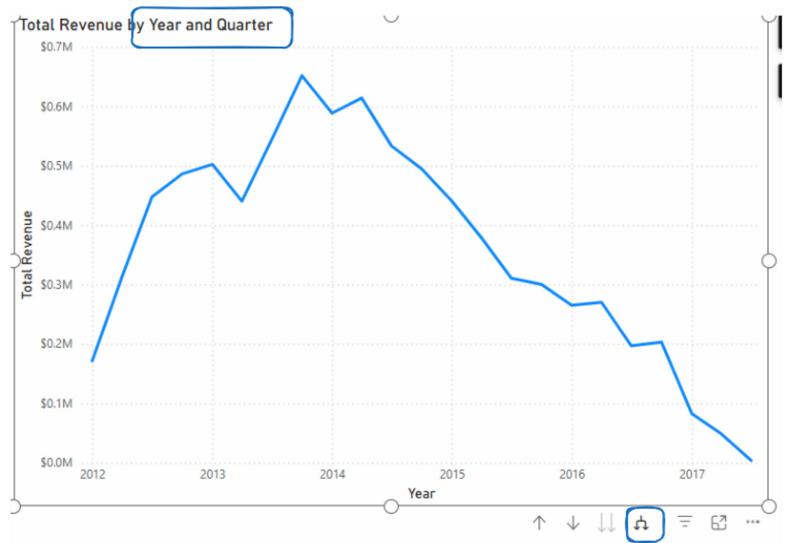
\$2,36,168.07
Sum of PRICEEACH

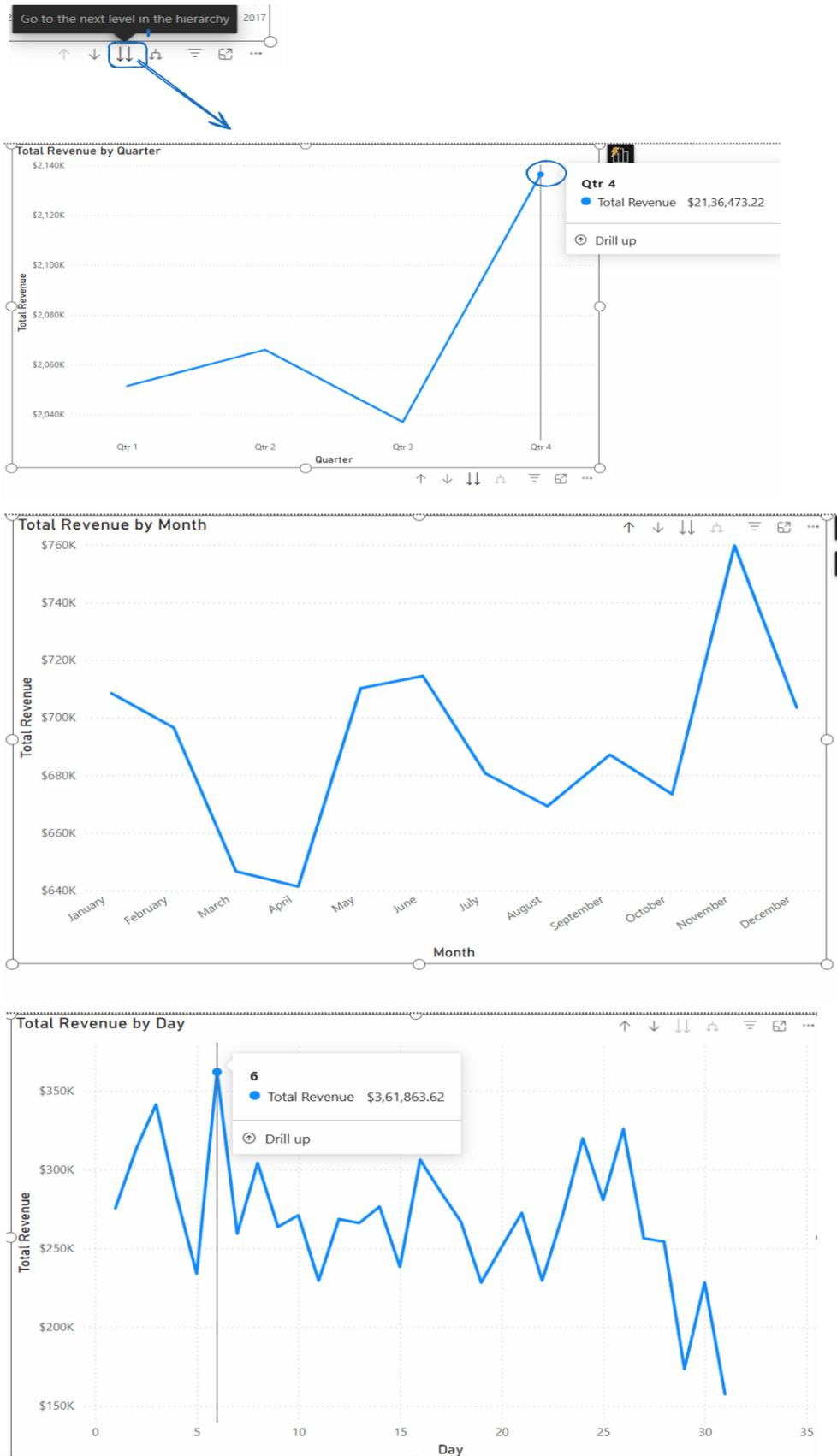
99067
Sum of QUANTITYORDERED

Line Charts

Hierachal Data







Area Chart

→ It's similar to Line Chart + Magnitude

