

# How to Plot Multiple Lines on a Line Chart in Power BI

Authored by  
**mohammed loot**

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## RECOMMENDED CITATION

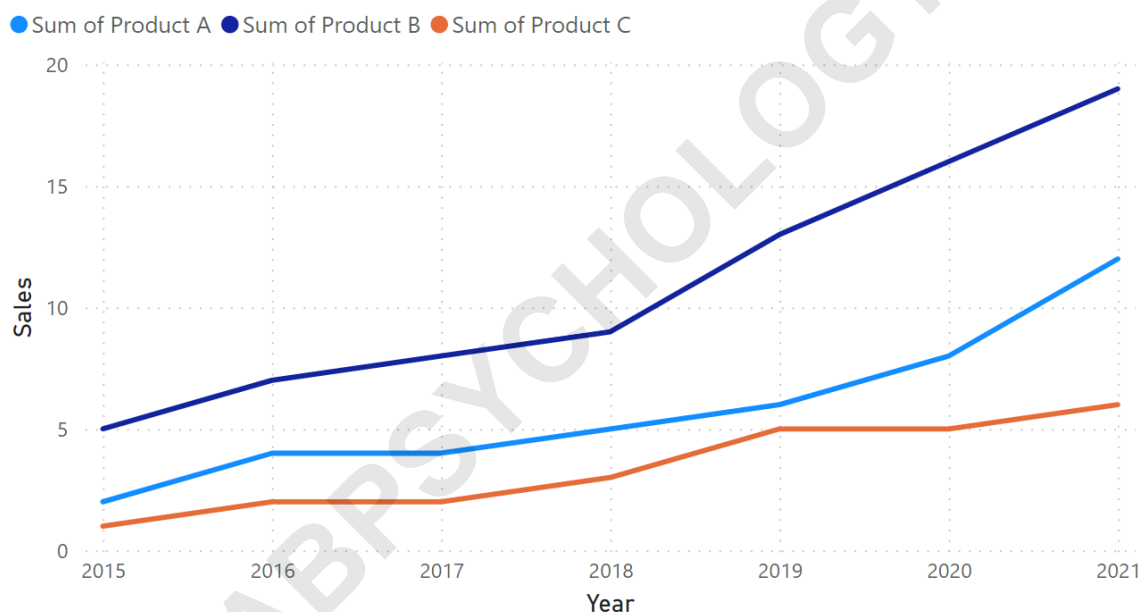
mohammed loot (2026). *How to Plot Multiple Lines on a Line Chart in Power BI*.  
PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=125849>

In Power BI, you can plot multiple lines on a line chart by first selecting the line chart visualization from the toolbar. Then, drag and drop the fields that you want to plot onto the "Axis" and "Values" sections of the chart. Each field will create a separate line on the chart. You can also add more fields to the "Legend" section to further differentiate the lines. Additionally, you can customize the appearance and formatting of the lines, as well as add additional features such as labels and tooltips, to enhance the visual representation of the data.

Often you may want to plot multiple lines in a line chart in Power BI.

Fortunately this is easy to do and the following step-by-step example shows how to create the following line chart with multiple lines in Power BI:

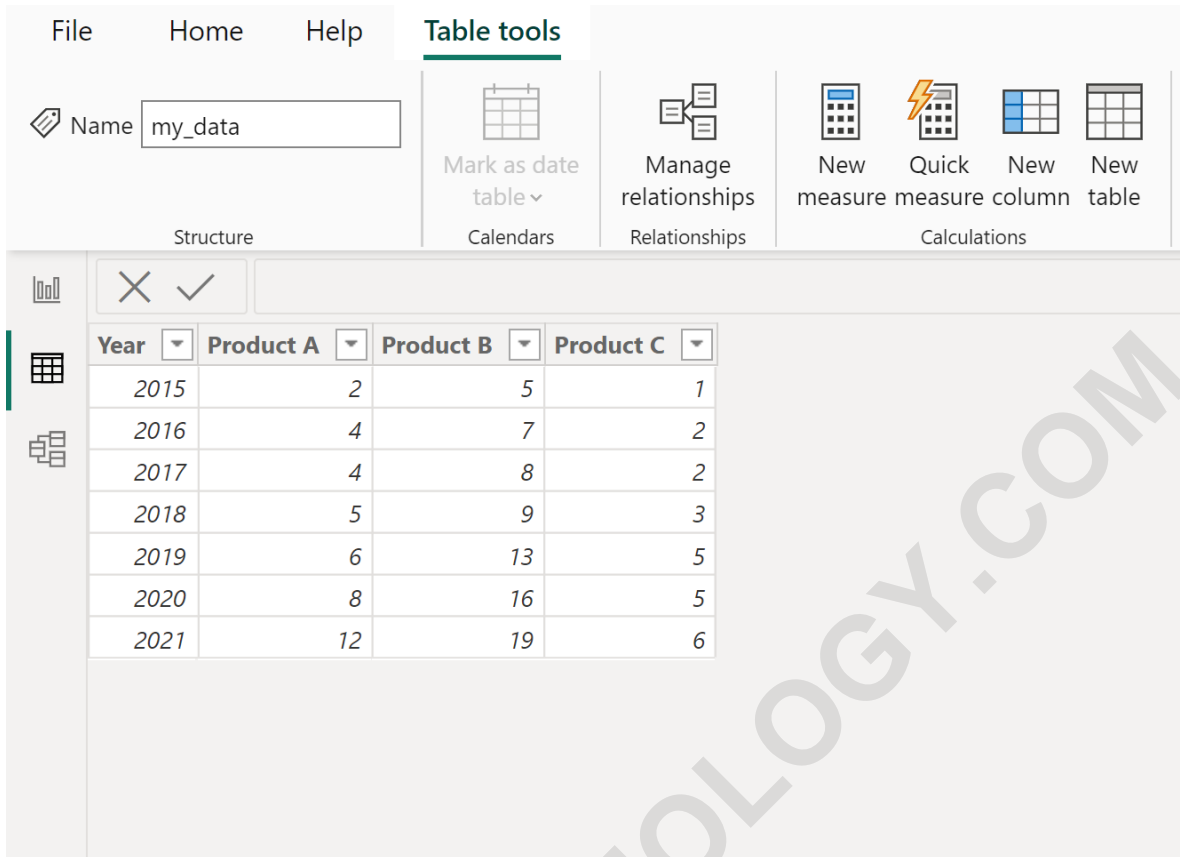
Sales by Year and by Product



Let's jump in!

## Step 1: Load the Dataset

First, we will load the following dataset into Power BI that contains information about the total sales made of three different products during various years:

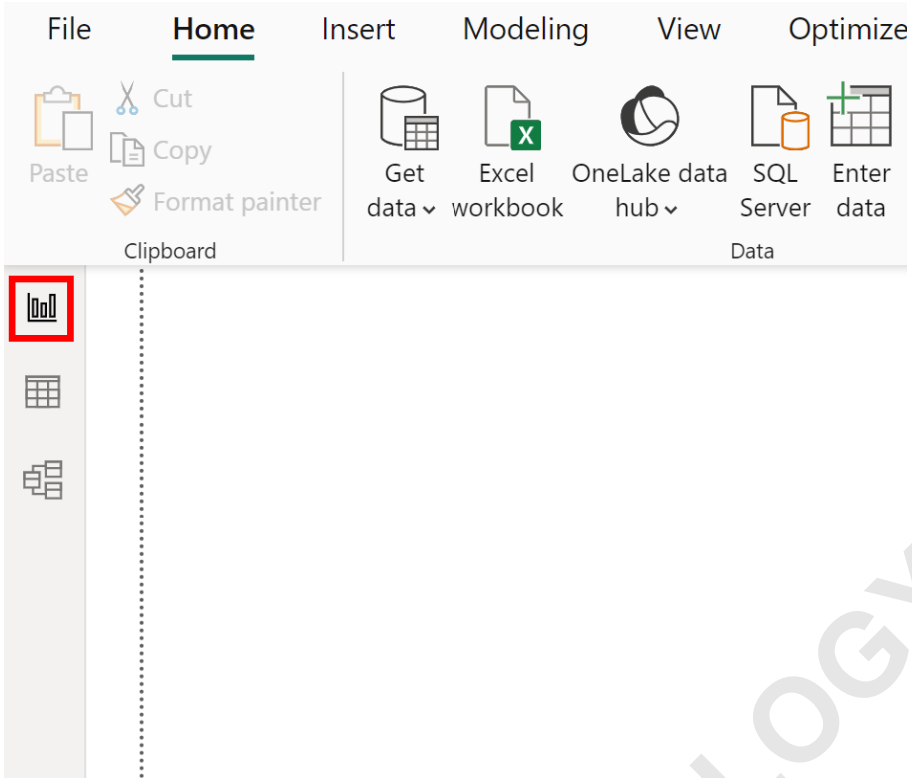


The screenshot displays the Power BI interface with the 'Table tools' ribbon active. The ribbon includes options for 'Mark as date table', 'Manage relationships', and 'Calculations' (New measure, Quick measure, New column, New table). Below the ribbon, a table is visible with the following data:

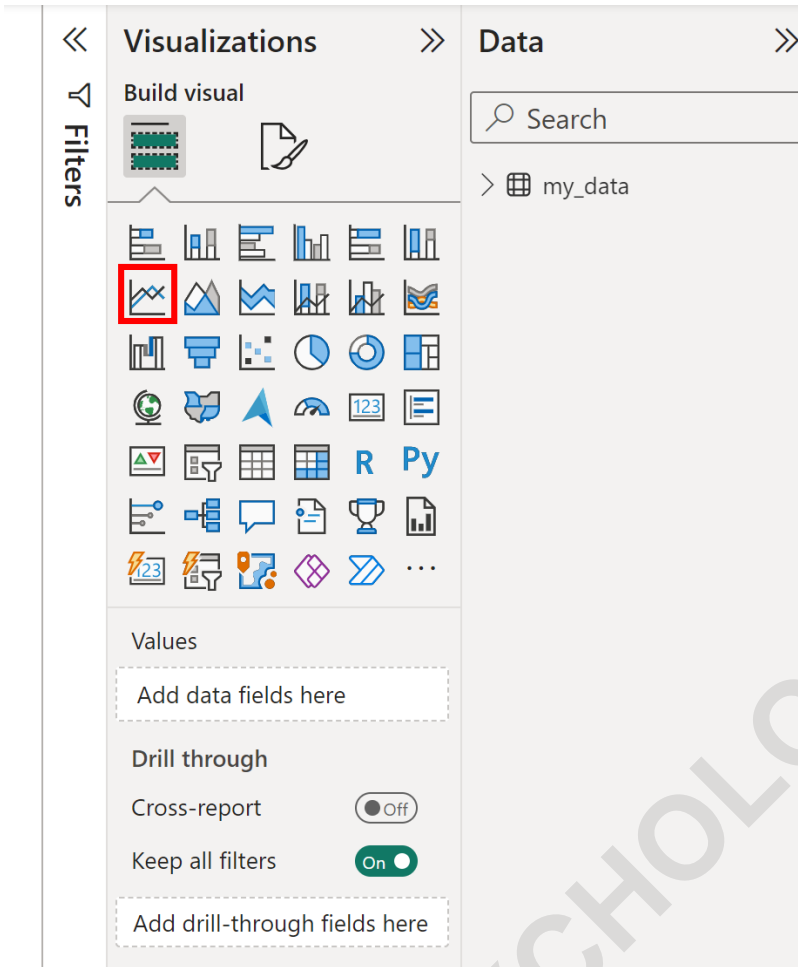
Year	Product A	Product B	Product C
2015	2	5	1
2016	4	7	2
2017	4	8	2
2018	5	9	3
2019	6	13	5
2020	8	16	5
2021	12	19	6

## Step 2: Insert the Line Chart

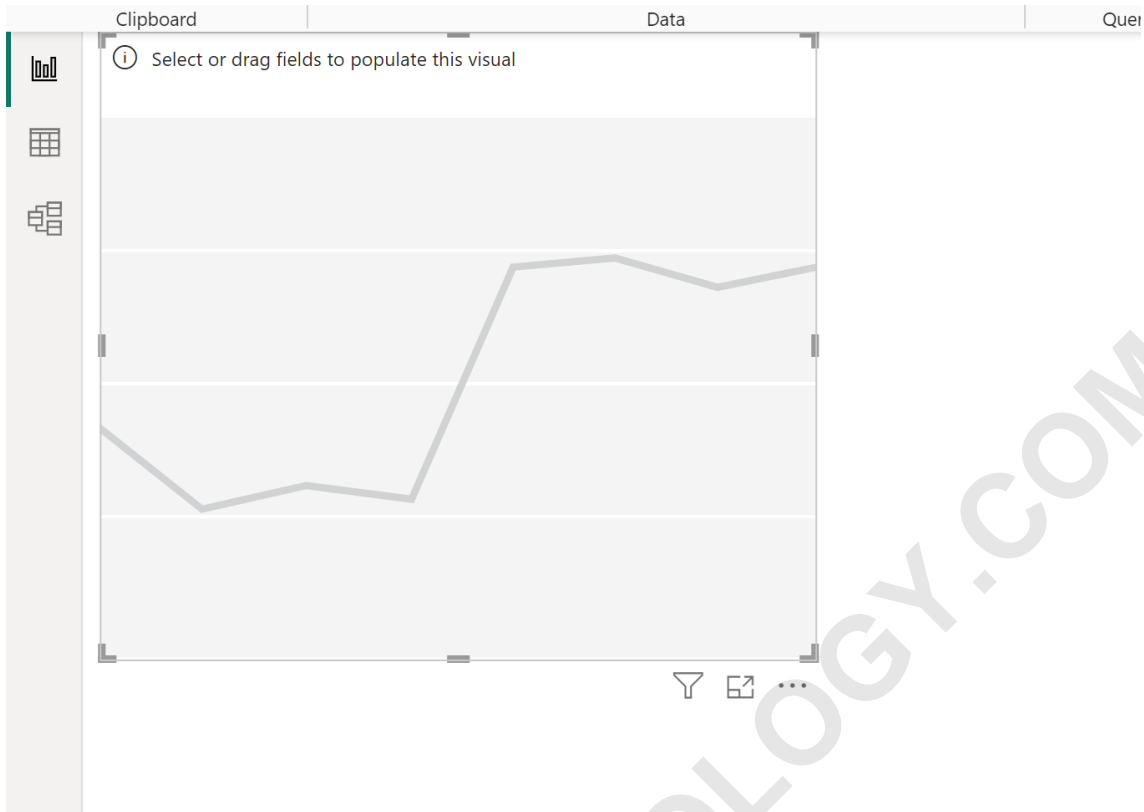
Next, click the **Report View** icon on the left hand side of the screen:



Then, on the right side of the screen under **Visualizations**, click the **Line chart** icon:



An empty line chart will be inserted:



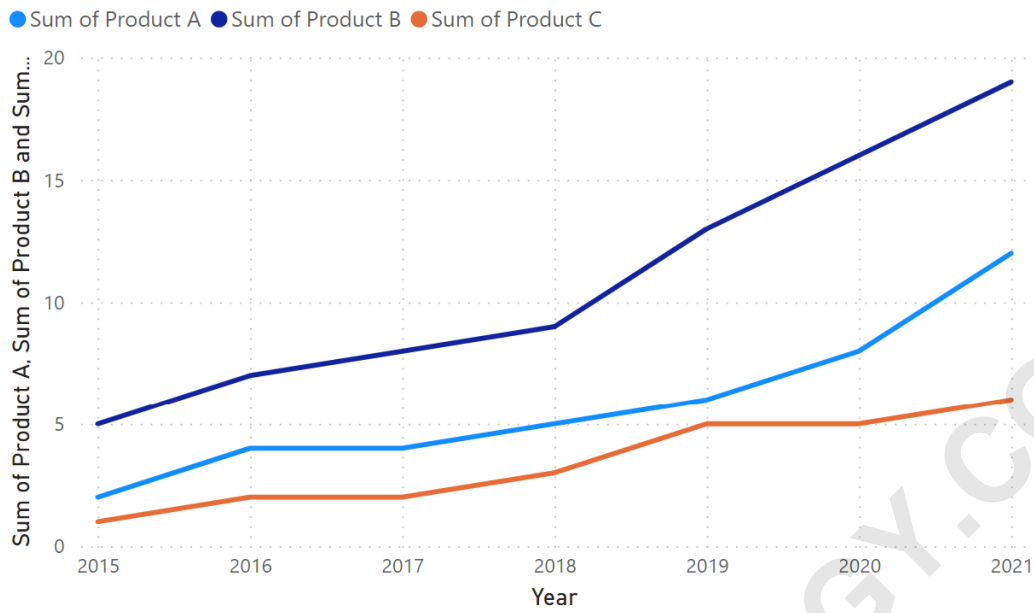
### Step 3: Populate the Chart

Next, drag the **Year** variable under the **X-axis** label, then drag the **Product A**, **Product B** and **Product C** variables under the **Y-axis** label:

The screenshot displays the Power BI interface. On the left, the 'Visualizations' pane is active, showing a grid of visualization options. A line chart is selected, and its configuration is shown below the grid. The X-axis is set to 'Year', and the Y-axis is set to 'Sum of Product A', 'Sum of Product B', and 'Sum of Product C'. The 'Secondary y-axis', 'Legend', and 'Small multiples' sections are currently empty. On the right, the 'Data' pane shows a table named 'my\_data' with four columns: 'Product A', 'Product B', 'Product C', and 'Year'. Each column has a checkmark and a summation symbol (Σ) next to it, indicating that the data is aggregated.

Product A	Product B	Product C	Year
Σ	Σ	Σ	Σ

Sum of Product A, Sum of Product B and Sum of Product C by Year

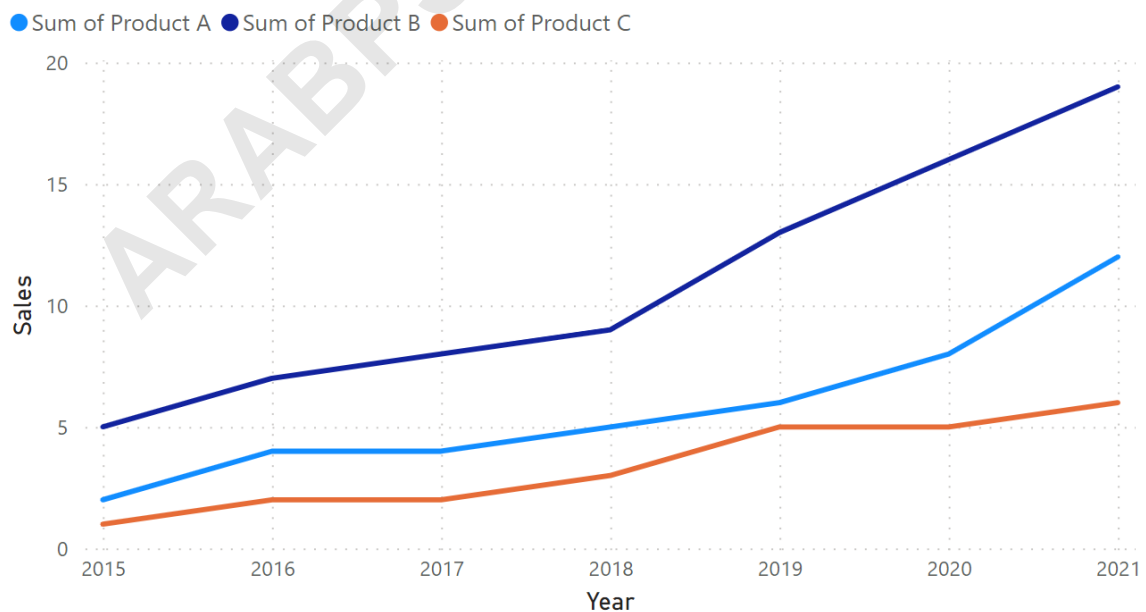


The x-axis displays the year and the y-axis displays the sales by year.

Each of the individual lines represents one of the three products.

Feel free to modify the title of the chart along with the axis titles to make the chart easier to read:

Sales by Year and by Product



The following tutorials explain how to perform other common tasks in Power BI:

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