

How to Create a Monthly Line Chart in Power BI: A Step-by-Step Guide

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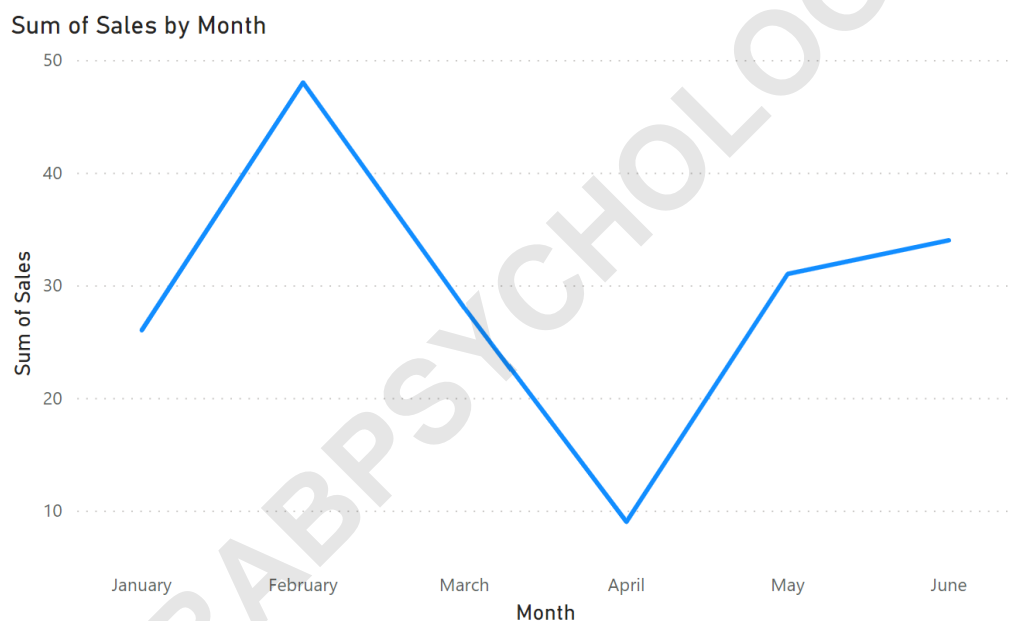
RECOMMENDED CITATION

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To create a Line Chart by Month in Power BI, you would first need to import your data into the Power BI desktop application. Once your data is loaded, you can select the line chart visualization and add the desired fields, such as the month and the data points you want to track. Then, you can customize the chart by adding labels, changing colors, and adjusting the axes. Finally, you can preview and publish the chart to your Power BI dashboard for easy access and data analysis. This allows you to visualize and track your data by month, making it easier to identify trends and patterns over time.

Often you may want to create a line chart that displays the values of some variable summarized by month.

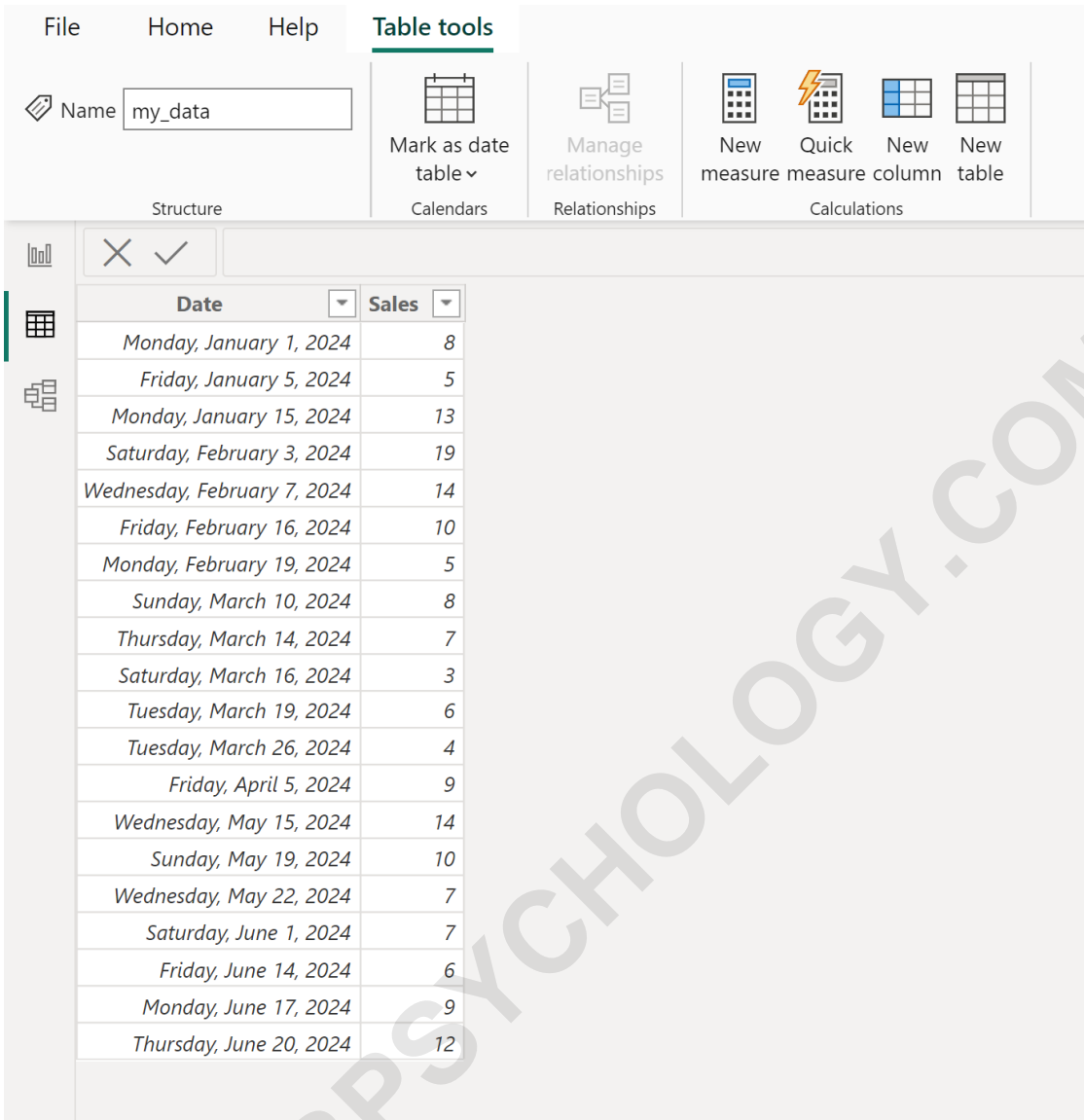
The following step-by-step example shows how to create the following line chart by month in Power BI:



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 on various dates by some company:

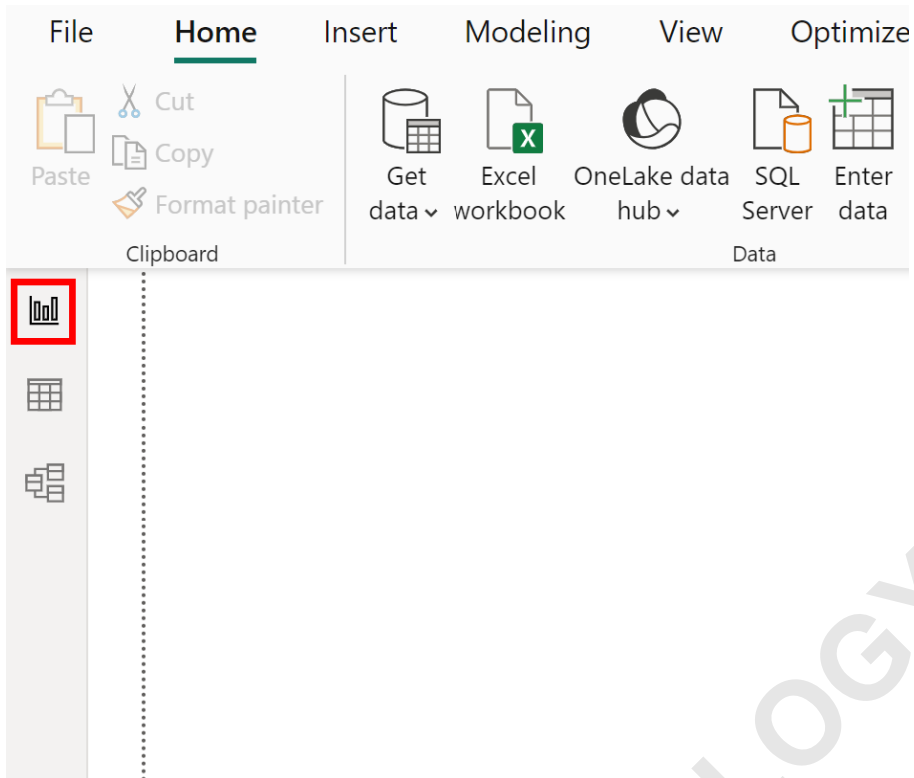


The screenshot displays the Microsoft Power BI interface. At the top, the 'Table tools' ribbon is active, showing options like 'Mark as date table', 'Manage relationships', and 'New measure'. Below the ribbon, a data table is visible with two columns: 'Date' and 'Sales'. The table contains 18 rows of data, including dates from January 1, 2024, to June 20, 2024, and corresponding sales values ranging from 3 to 13. A large watermark 'ARABPSYCHOLOGY.COM' is overlaid diagonally across the table.

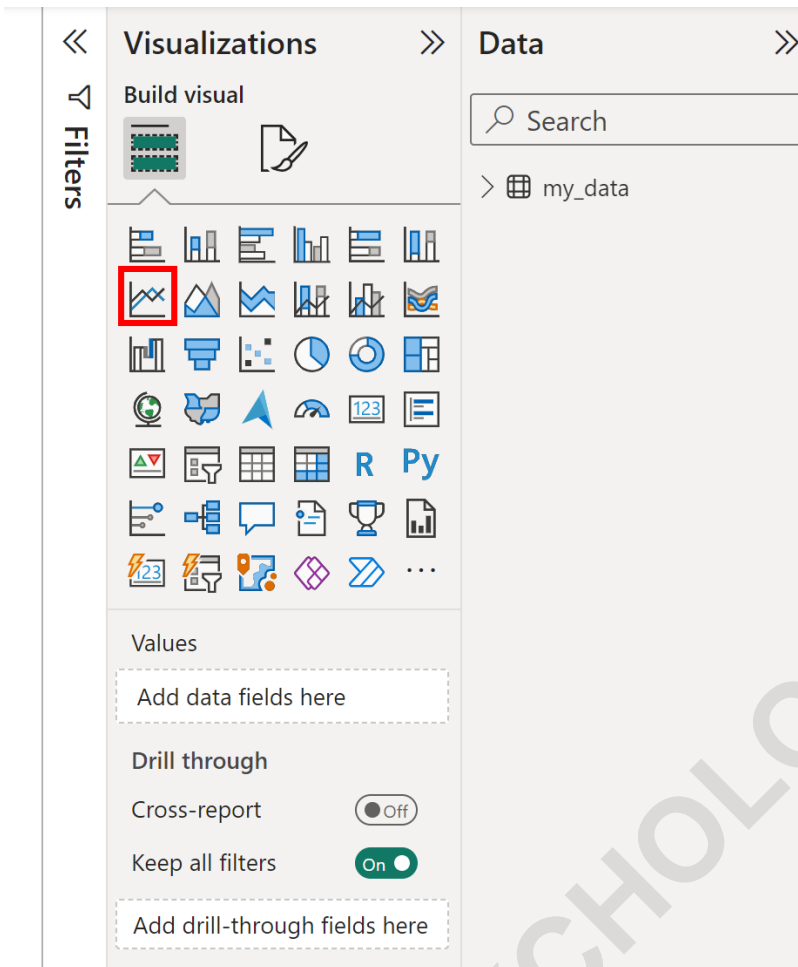
Date	Sales
Monday, January 1, 2024	8
Friday, January 5, 2024	5
Monday, January 15, 2024	13
Saturday, February 3, 2024	19
Wednesday, February 7, 2024	14
Friday, February 16, 2024	10
Monday, February 19, 2024	5
Sunday, March 10, 2024	8
Thursday, March 14, 2024	7
Saturday, March 16, 2024	3
Tuesday, March 19, 2024	6
Tuesday, March 26, 2024	4
Friday, April 5, 2024	9
Wednesday, May 15, 2024	14
Sunday, May 19, 2024	10
Wednesday, May 22, 2024	7
Saturday, June 1, 2024	7
Friday, June 14, 2024	6
Monday, June 17, 2024	9
Thursday, June 20, 2024	12

Step 2: Insert the Line Chart

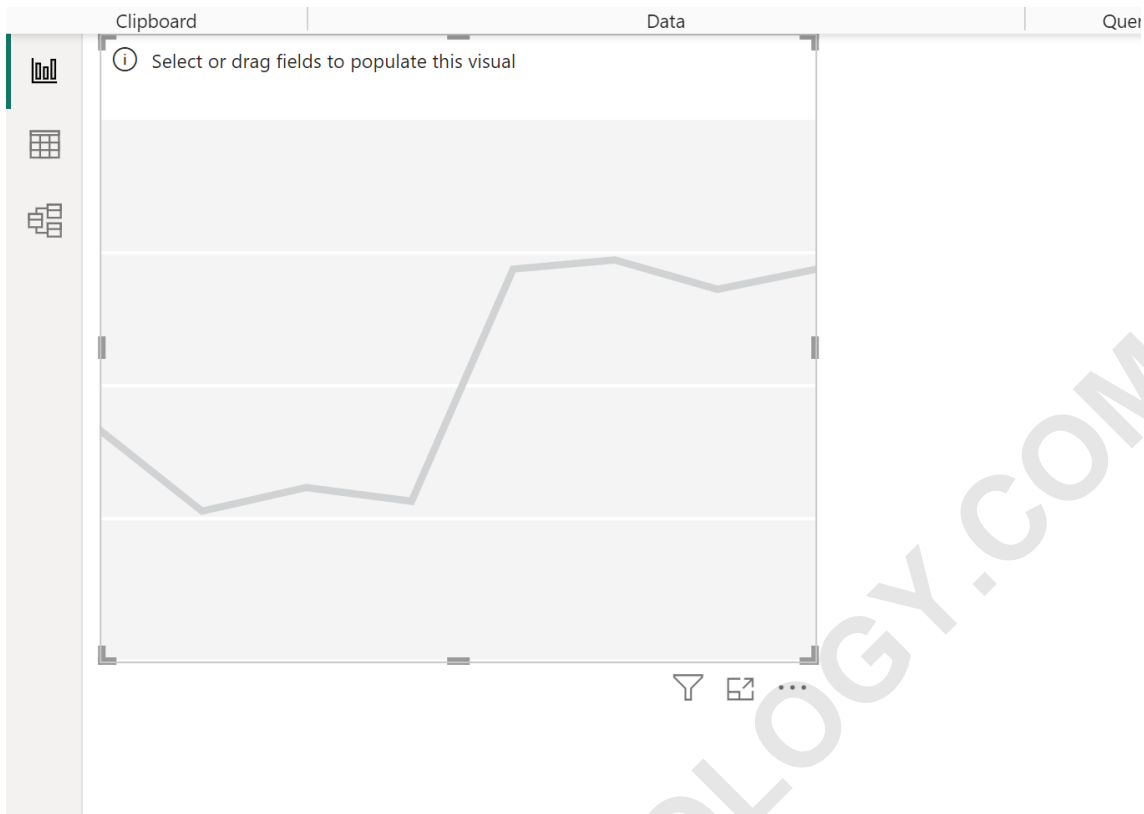
Next, click the **Report View** icon on the left hand side of the screen:



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

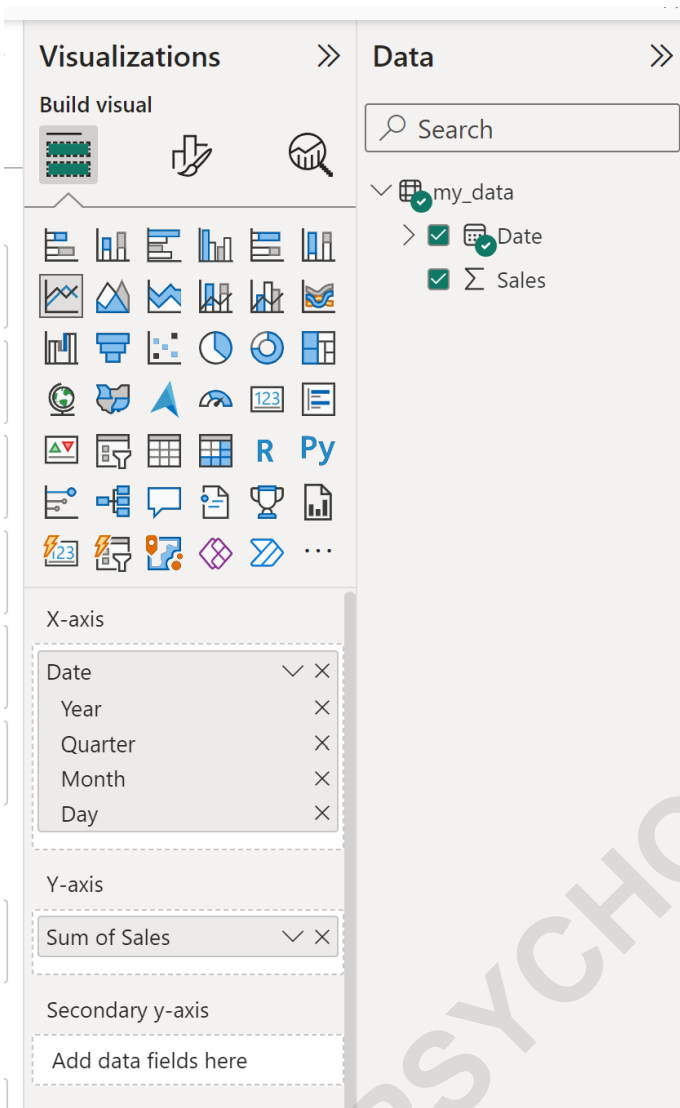


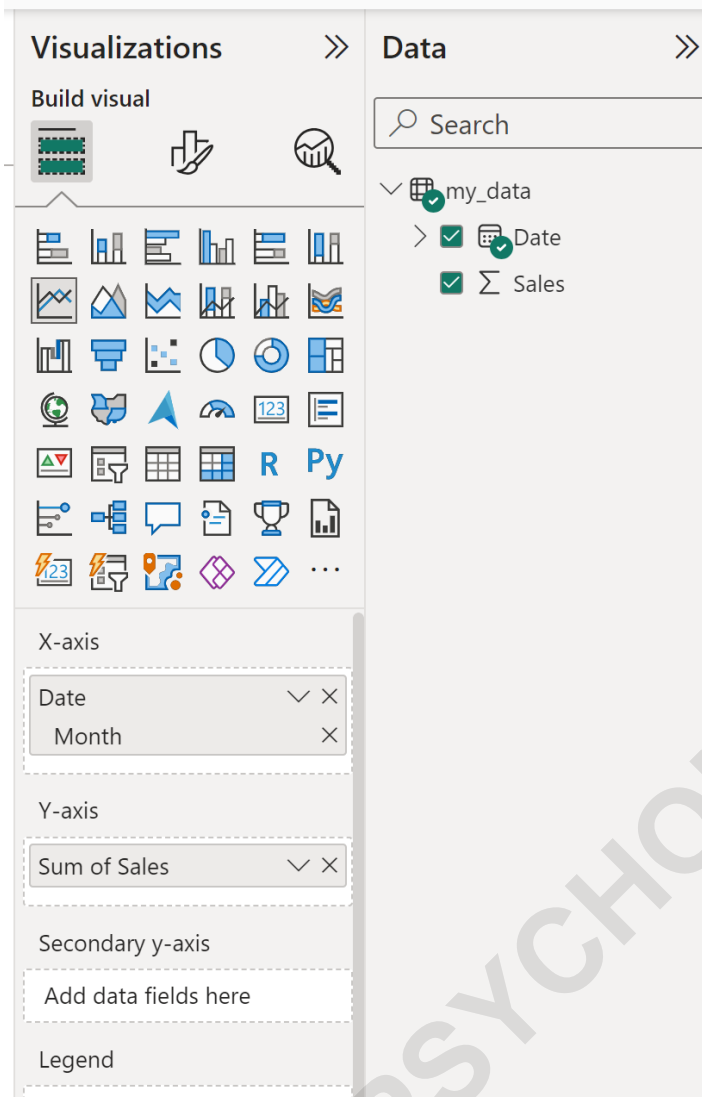
An empty line chart will be inserted:



Step 3: Populate the Chart

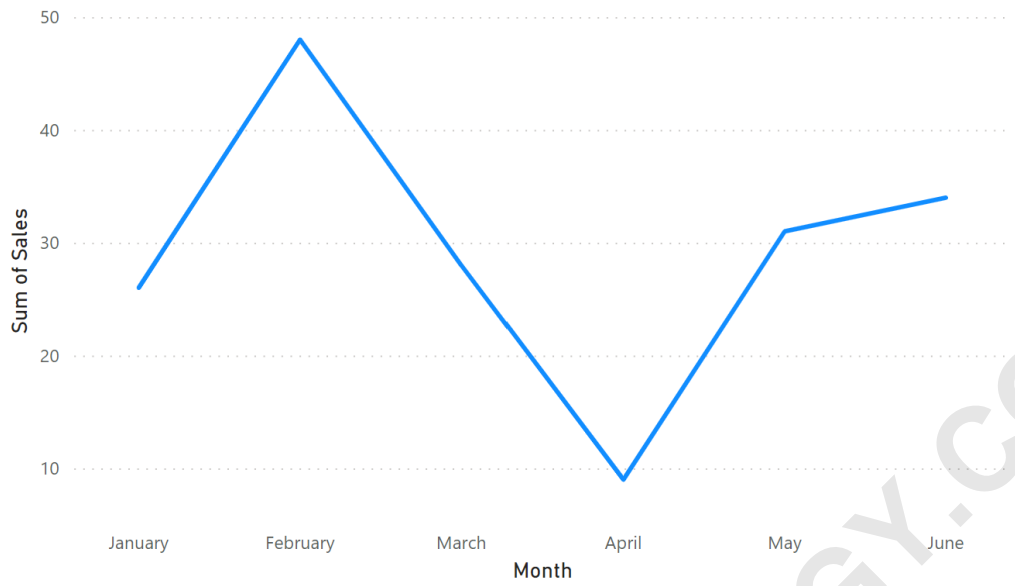
Next, drag the **Date** variable under the **X-axis** label, then drag the **Sales** variable under the **Y-axis** label:





The end result will be a line chart that displays the sum of sales by month:

Sum of Sales by Month



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