

How to add median line to chart in Excel?

Authored by
stats writer

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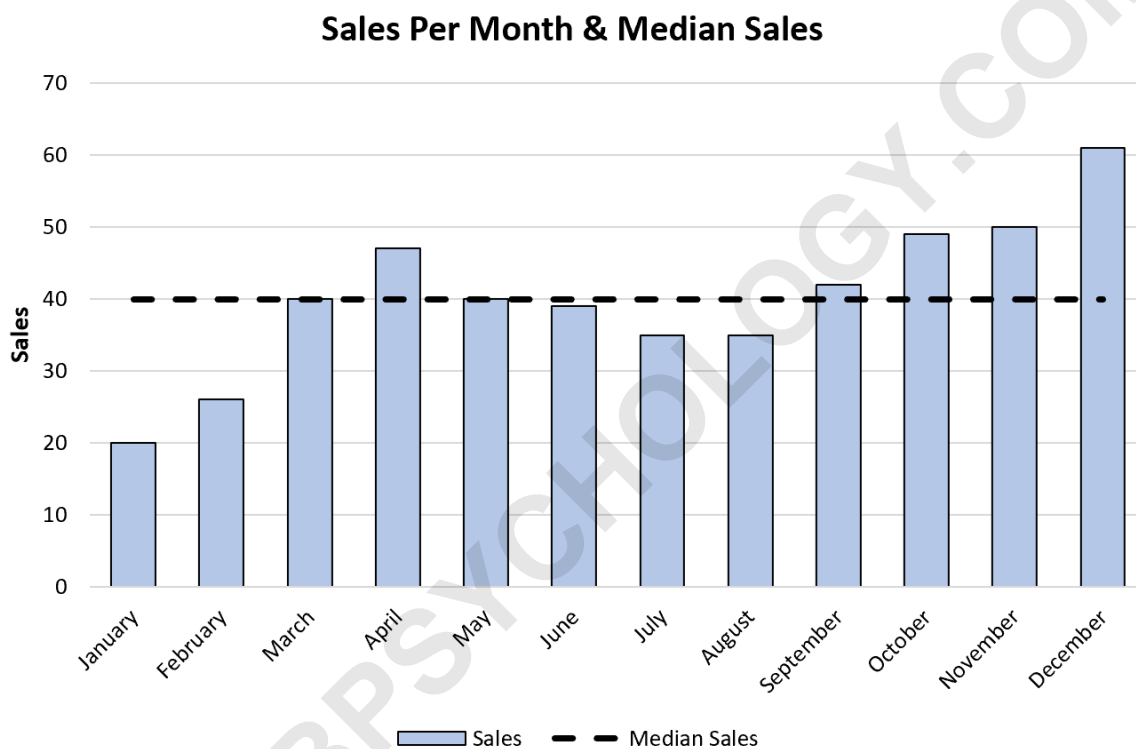
RECOMMENDED CITATION

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Retrieved from <https://scales.arabpsychology.com/?p=95484>

Median is the value that lies exactly in the middle of the given data. The most important property of median is, it will always give us ...

Occasionally you may want to add a line to a bar chart in Excel to represent the median value of the bars.

This tutorial provides a step-by-step example of how to create the following bar chart with a median line in Excel:



Let's jump in!

Step 1: Enter the Data

First, let's create the following dataset that shows the total sales of some item during each month in a year:

	A	B	C	D	E	F
1	Month	Sales				
2	January	20				
3	February	26				
4	March	40				
5	April	47				
6	May	40				
7	June	39				
8	July	35				
9	August	35				
10	September	42				
11	October	49				
12	November	50				
13	December	61				
14						
15						
16						
17						
18						
19						
20						

Step 2: Calculate the Median Value

Next, we'll use the following formula to calculate the median sales per month:

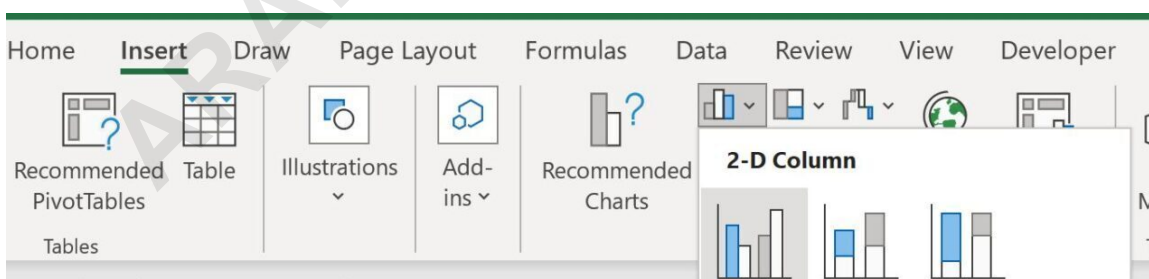
=MEDIAN(\$B\$2:\$B\$13)

We can type this formula into cell **C2** and then copy and paste it to every remaining cell in column C:

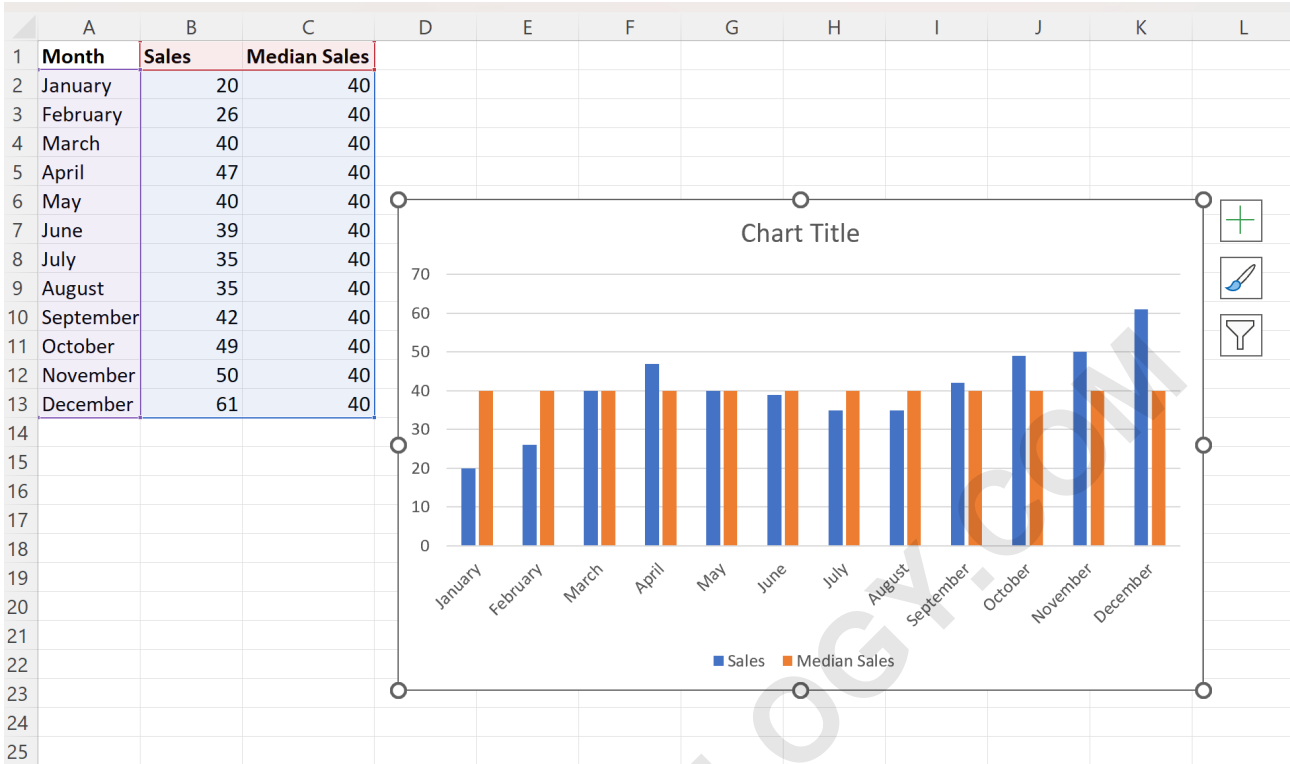
	A	B	C	D	E
1	Month	Sales	Median Sales		
2	January	20	40		
3	February	26	40		
4	March	40	40		
5	April	47	40		
6	May	40	40		
7	June	39	40		
8	July	35	40		
9	August	35	40		
10	September	42	40		
11	October	49	40		
12	November	50	40		
13	December	61	40		
14					
15					
16					
17					

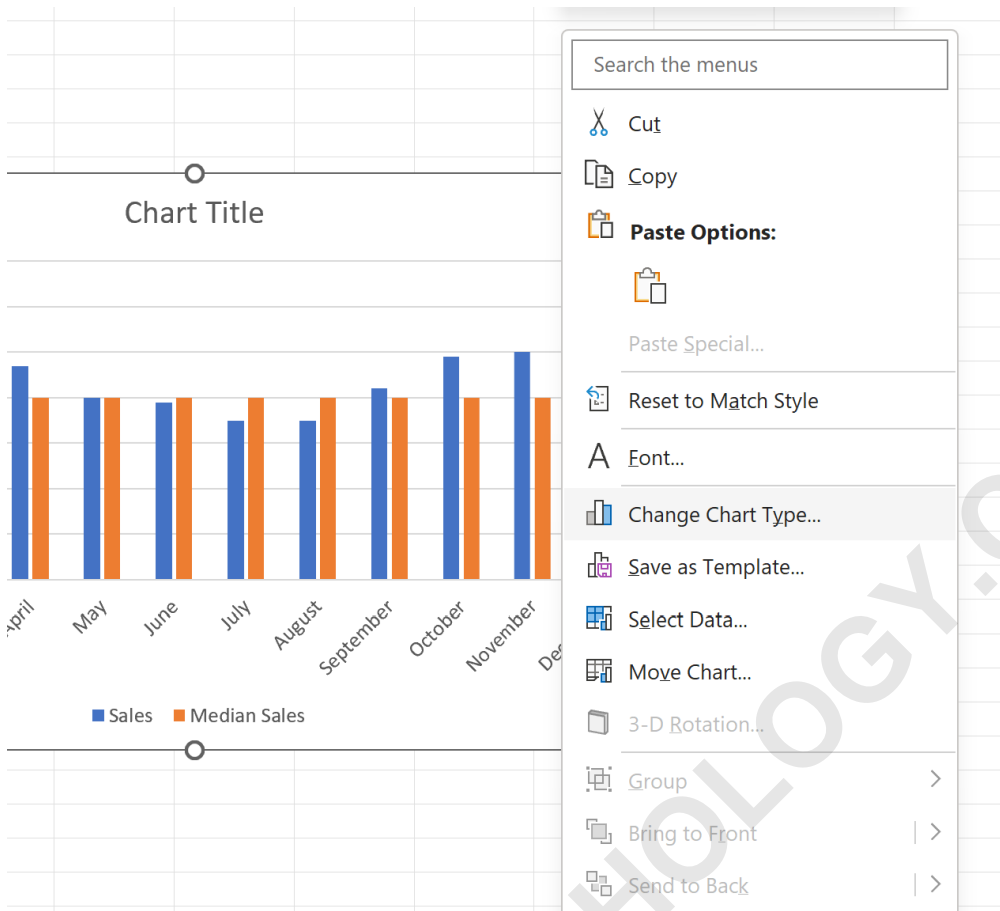
Step 3: Create Bar Chart with Median Line

Next, highlight the cell range **A1:C13**, then click the **Insert** tab along the top ribbon, then click **Clustered Column** within the **Charts** group:



The following chart will be created:





In the new window that appears, click **Combo** and then click **OK**:

Change Chart Type

Recommended Charts All Charts

Recent
Templates
Column
Line
Pie
Bar
Area
X Y (Scatter)
Map
Stock
Surface
Radar
Treemap
Sunburst
Histogram
Box & Whisker
Waterfall
Funnel
Combo

Clustered Column - Line

Chart Title

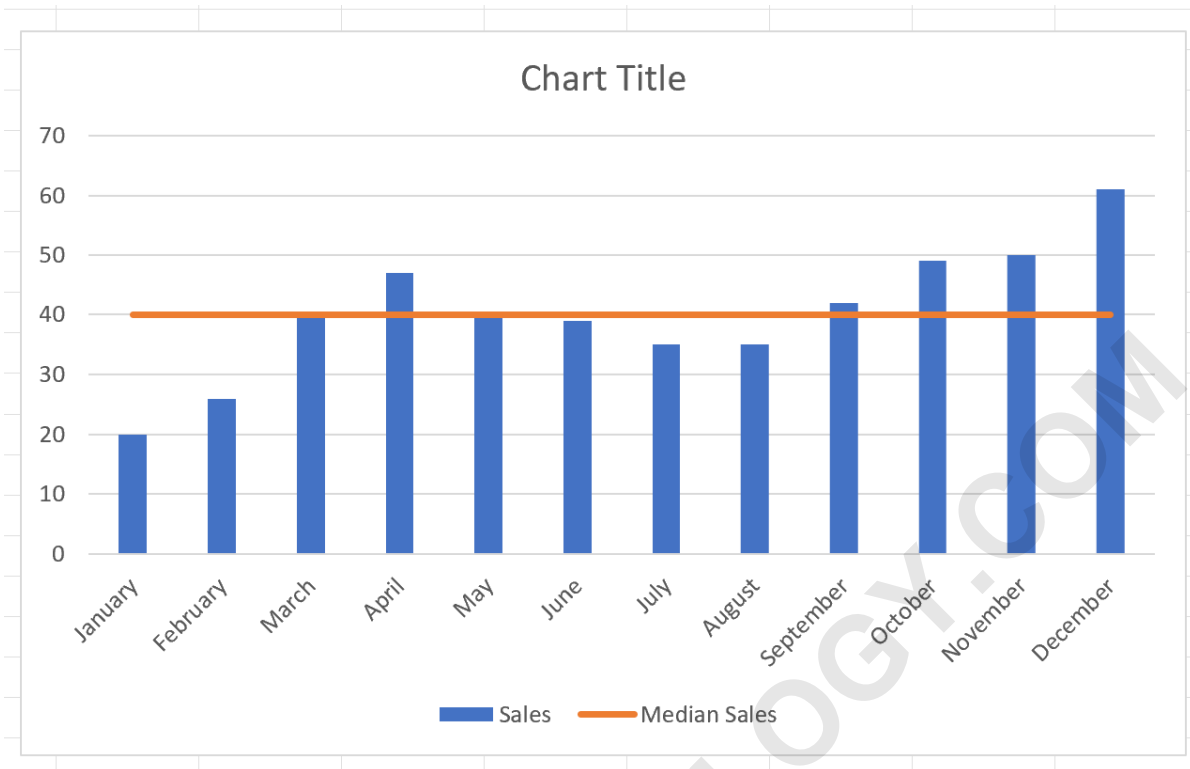
Month	Sales	Median Sales
January	20	40
February	25	40
March	40	40
April	45	40
May	40	40
June	40	40
July	35	40
August	35	40
September	40	40
October	45	40
November	45	40
December	55	40

Choose the chart type and axis for your data series:

Series Name	Chart Type	Secondary Axis
Sales	Clustered Column	<input type="checkbox"/>
Median Sales	Line	<input type="checkbox"/>

OK Cancel

The chart will be converted into a bar chart with a median line:



The blue bars represent the sales each month and the orange line represents the median sales across all 12 months.

Step 4: Customize the Chart (Optional)

Feel free to add a title, customize the colors, customize the line style, and adjust the width of the bars and the median line to make the plot more aesthetically pleasing:

