

How can I create a clustered stacked bar chart in Excel?

Authored by
stats writer

June 27, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I create a clustered stacked bar chart in Excel?*.

PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=155020>

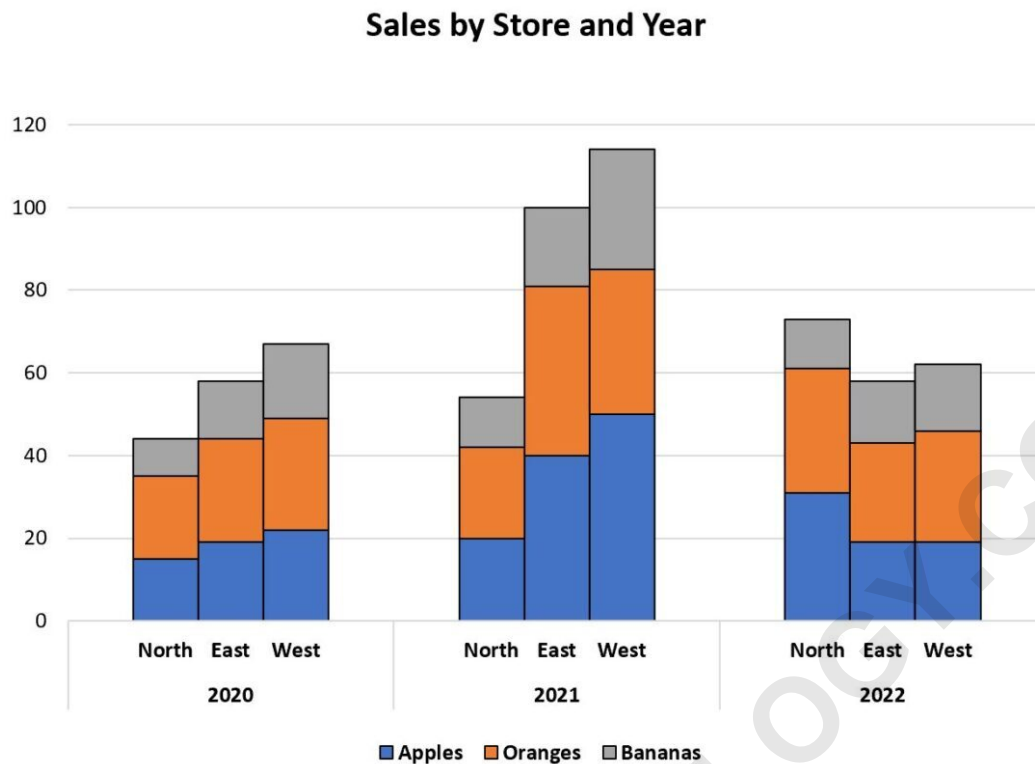
A clustered stacked bar chart in Excel is a type of data visualization that combines the features of both a clustered bar chart and a stacked bar chart. This type of chart is useful for comparing data across different categories and for showing the composition of each category. To create a clustered stacked bar chart in Excel, first select the data that you want to represent in the chart. Then, go to the Insert tab and click on the "Clustered Column" chart option. Next, right-click on one of the bars in the chart and select "Change Series Chart Type." From there, choose the "Stacked Column" chart option. Finally, adjust the formatting and design of the chart to your preference. This will result in a clustered stacked bar chart that displays your data in a visually appealing and easy-to-understand manner.

Create a Clustered Stacked Bar Chart in Excel

A clustered stacked bar chart is a type of bar chart that is both clustered and stacked.

It's particularly useful for visualizing data values that have multiple groups and span several time periods.

This tutorial provides a step-by-step example of how to create the following clustered stacked bar chart in Excel:



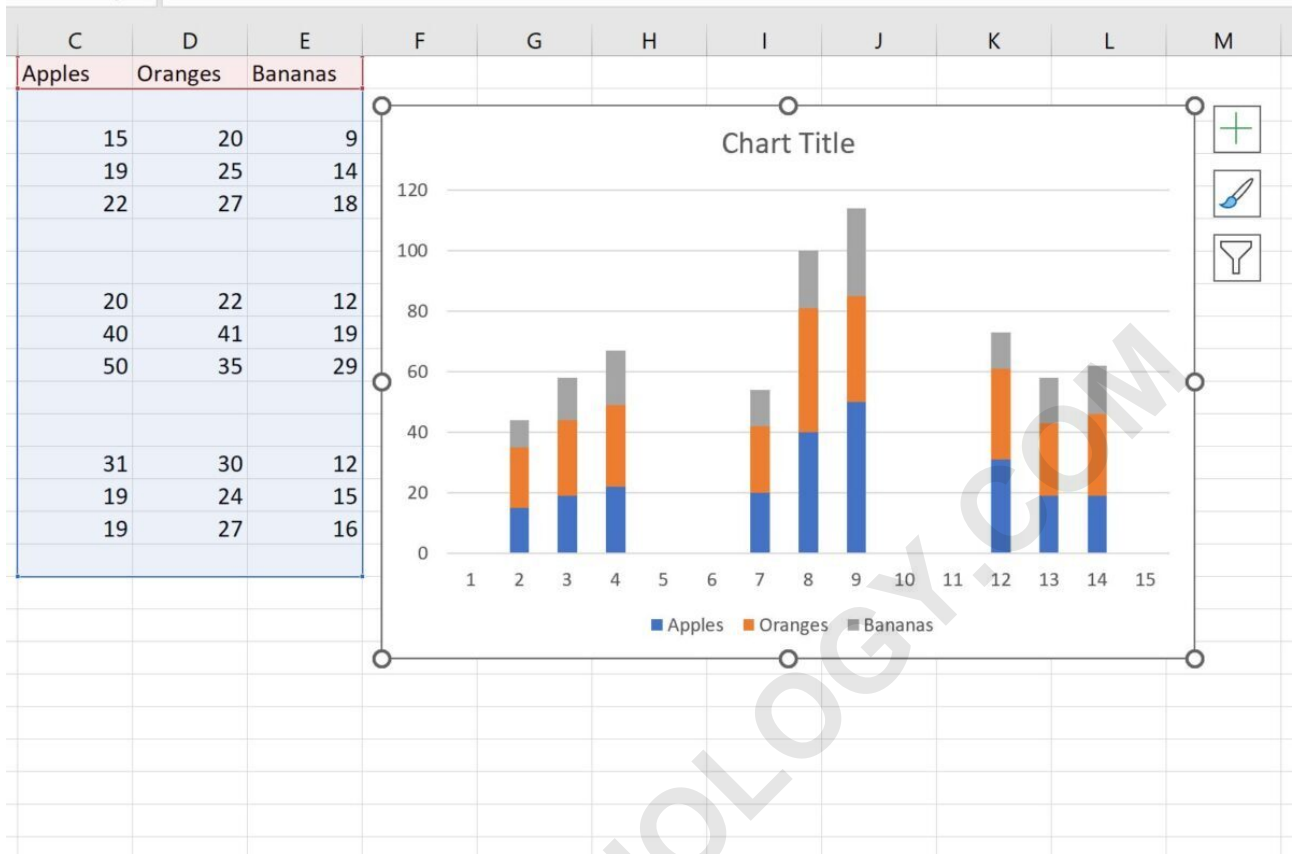
Step 1: Enter the Data

First, let's enter the following dataset that shows the sales of various products at different retail stores during different years:

	A	B	C	D	E	F	G
1			Apples	Oranges	Bananas		
2	2020						
3		North	15	20	9		
4		East	19	25	14		
5		West	22	27	18		
6							
7	2021						
8		North	20	22	12		
9		East	40	41	19		
10		West	50	35	29		
11							
12	2022						
13		North	31	30	12		
14		East	19	24	15		
15		West	19	27	16		
16							
17							
18							
19							
20							
21							

Step 2: Create the Clustered Stacked Bar Chart

Next, highlight the cell range C1:E16, then click the Insert tab along the top ribbon, then click the Stacked Column icon within the Charts group to create the following clustered stacked bar chart:



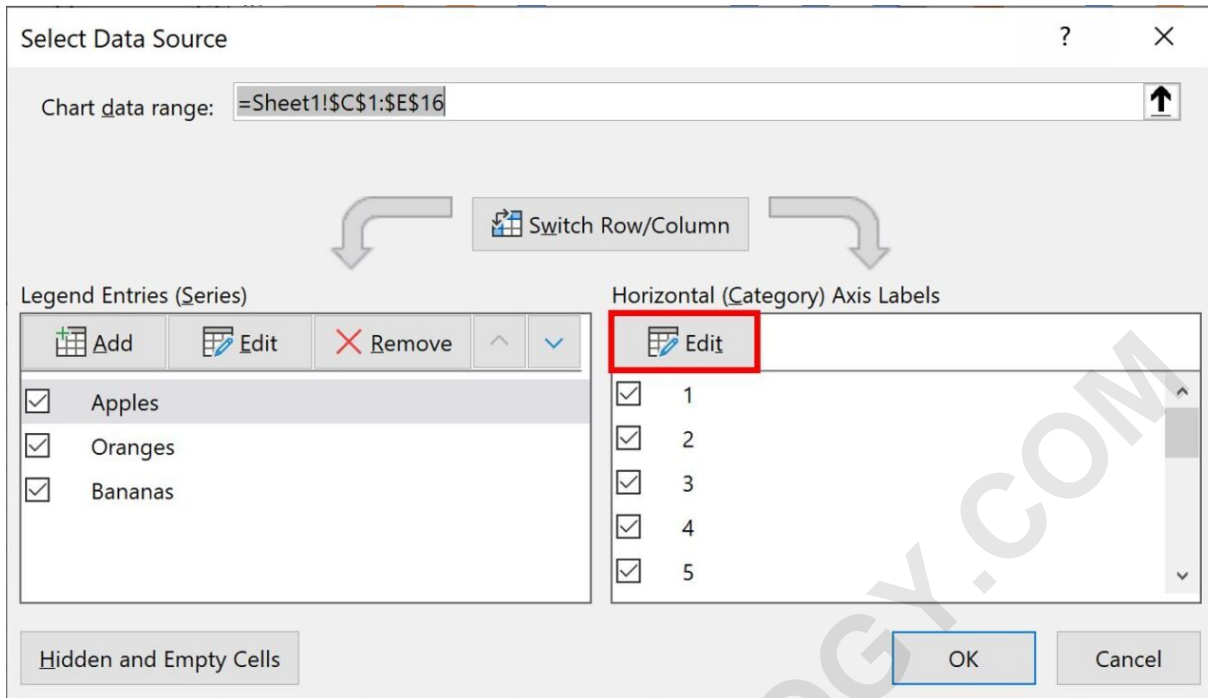
Step 3: Customize the Clustered Stacked Bar Chart

Next, we need to insert custom labels on the x-axis.

Before we do so, click on cell A17 and type a couple empty spaces. This will be necessary for the next step.

Next, right click anywhere on the chart and then click **Select Data**.

In the window that appears, click the **Edit** button under **Horizontal (Category) Axis Labels**:

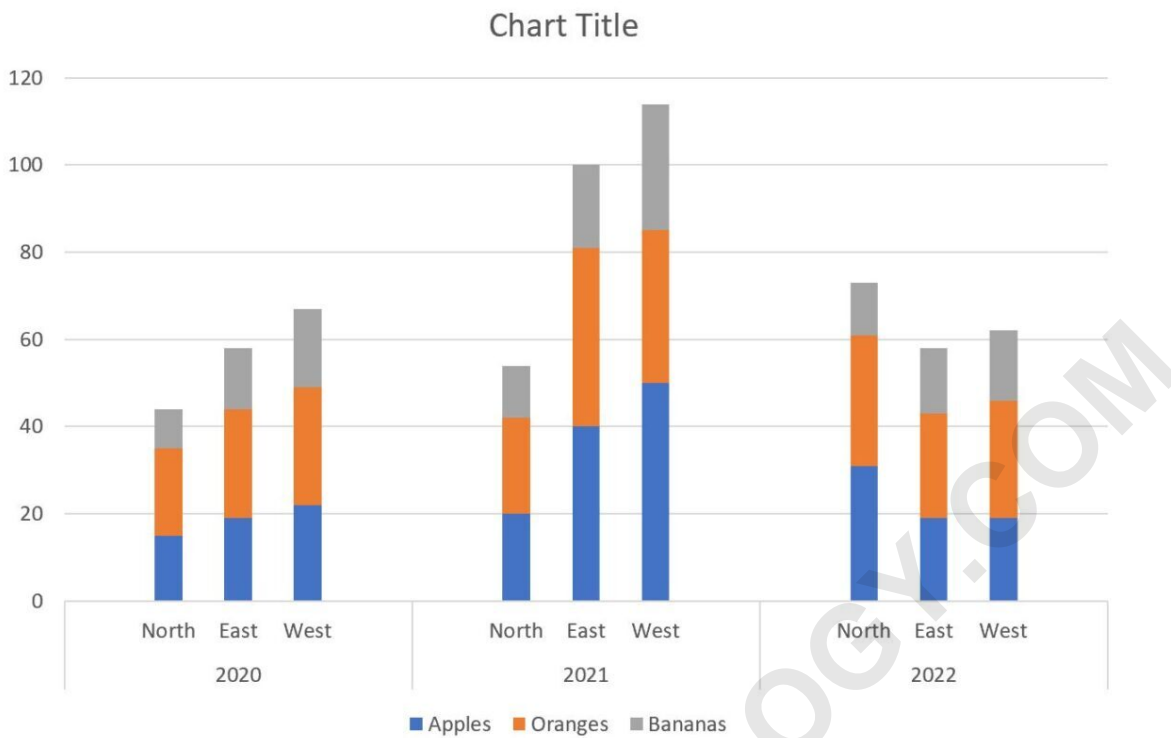


For the Axis label range, highlight the range A2:B17 and then click OK:

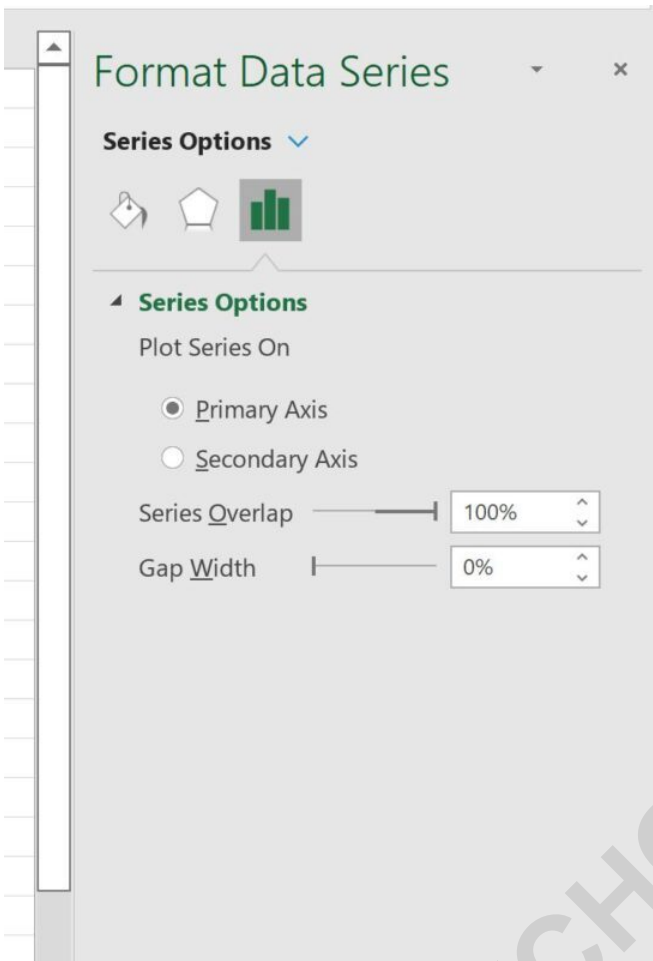
	A	B	C	D	E
1			Apples	Oranges	Bananas
2	2020				
3		North	15	20	9
4		East	19	25	14
5		West	22	27	18
6					
7	2021				
8		North	20	22	12
9		East	40	41	19
10		West	50	35	29
11					
12	2022				
13		North	31	30	12
14		East	19	24	15
15		West	19	27	16
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					



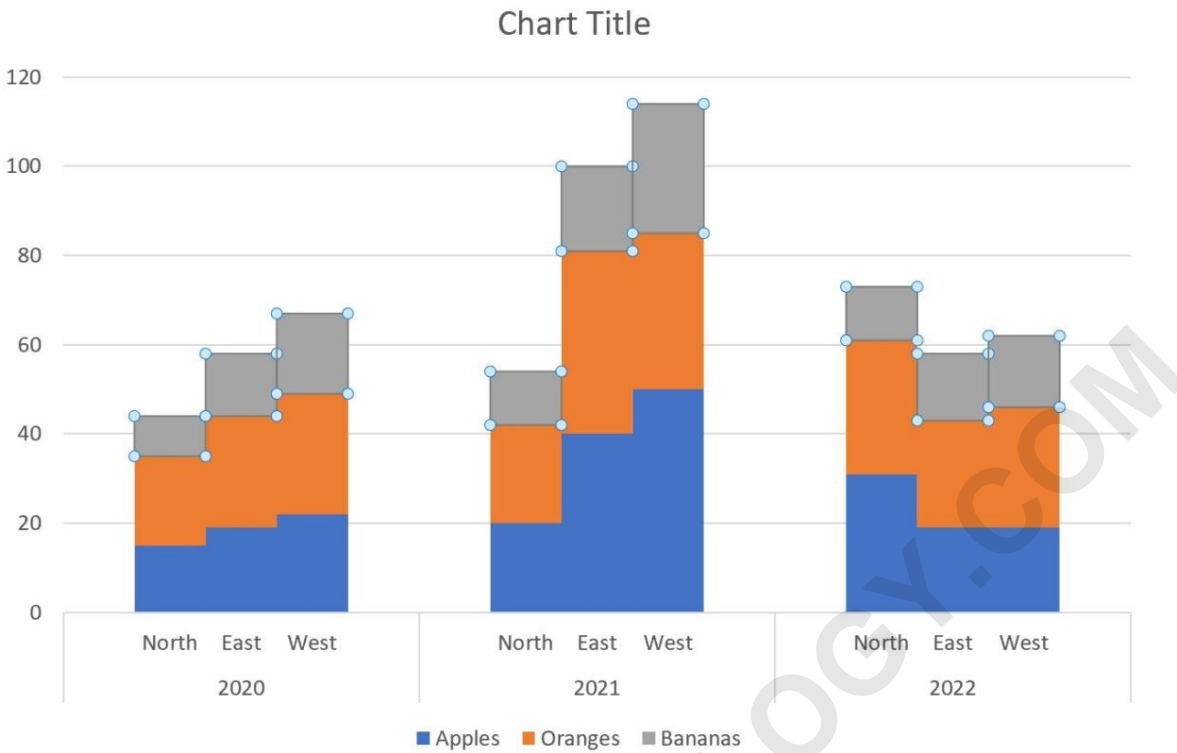
The following labels will appear on the x-axis:



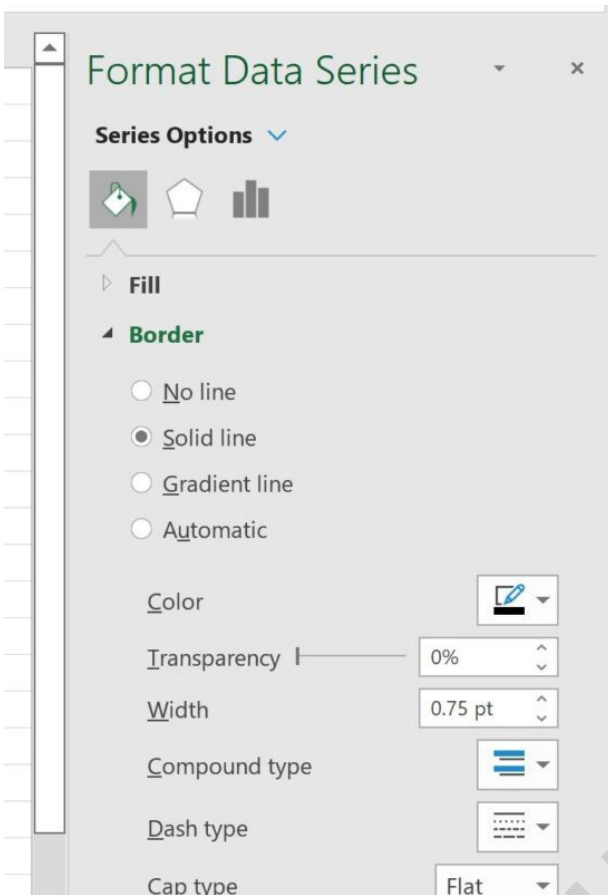
Next, click on any of the bars in the graph. In the Format Data Series panel that appears, adjust the Gap Width to be 0%:



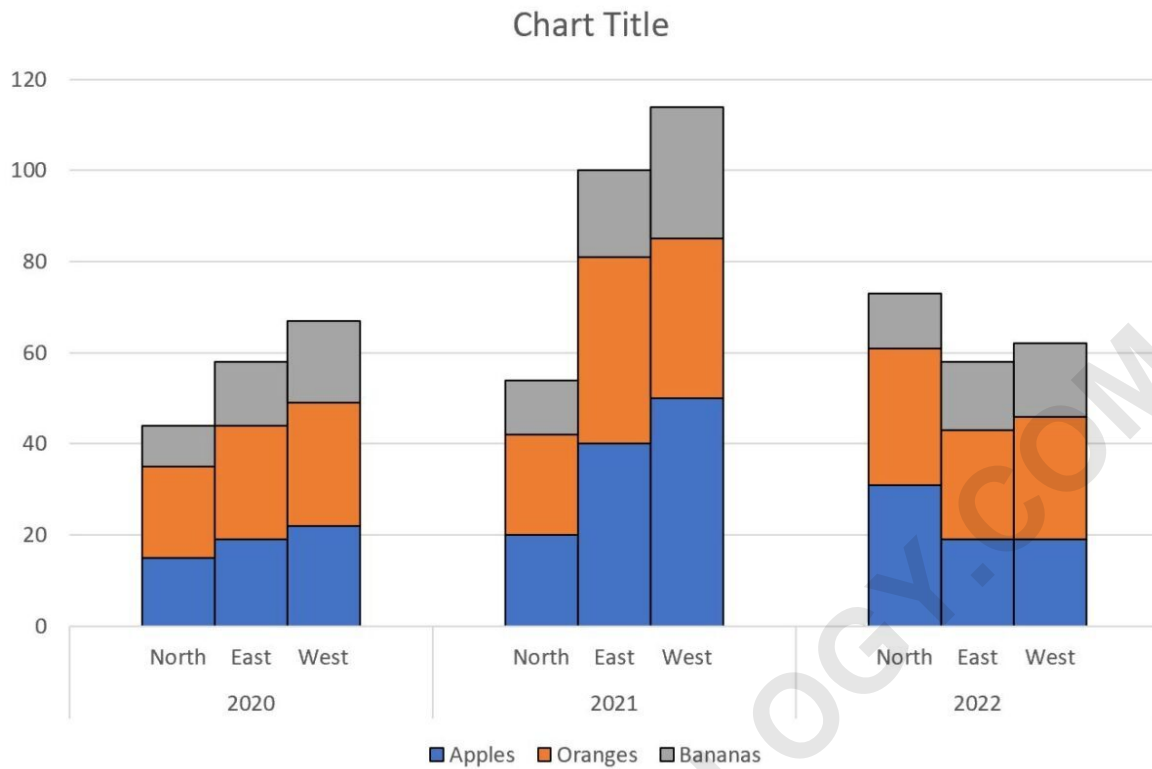
The gap between the bars in the same clusters will be removed:



Next, click on any bar in the chart. In the Format Data Series panel that appears, click the paint can icon, then click Border and choose Solid line:

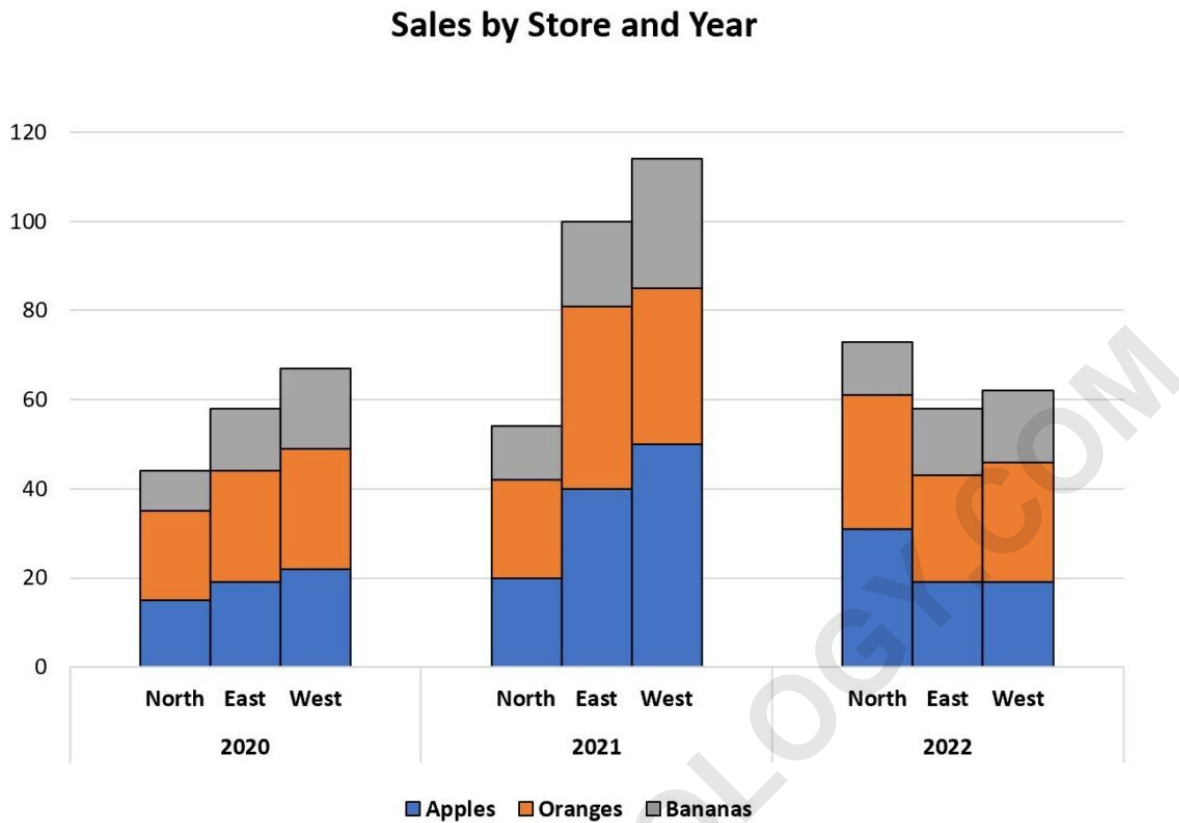


Repeat for each bar in the chart until there is a solid black border around each bar:



Lastly, click on the title text and change it to "Sales by Store and Year".

Then click on any individual text elements in the plot that you'd like and make them bold:



The clustered stacked bar chart is now complete.

The following tutorials explain how to create other common visualizations in Excel: