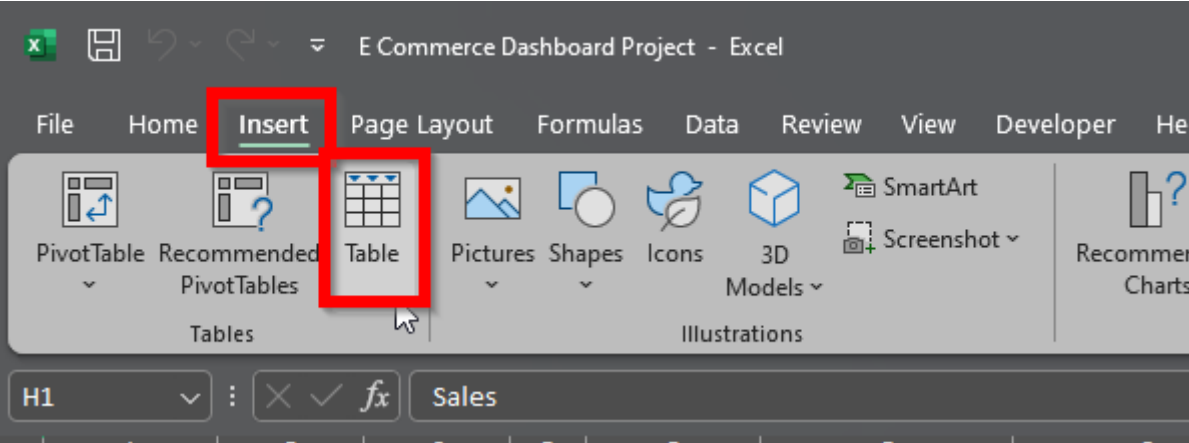


1. Created Table from the given excel file from the given data in “sales Data” TAB



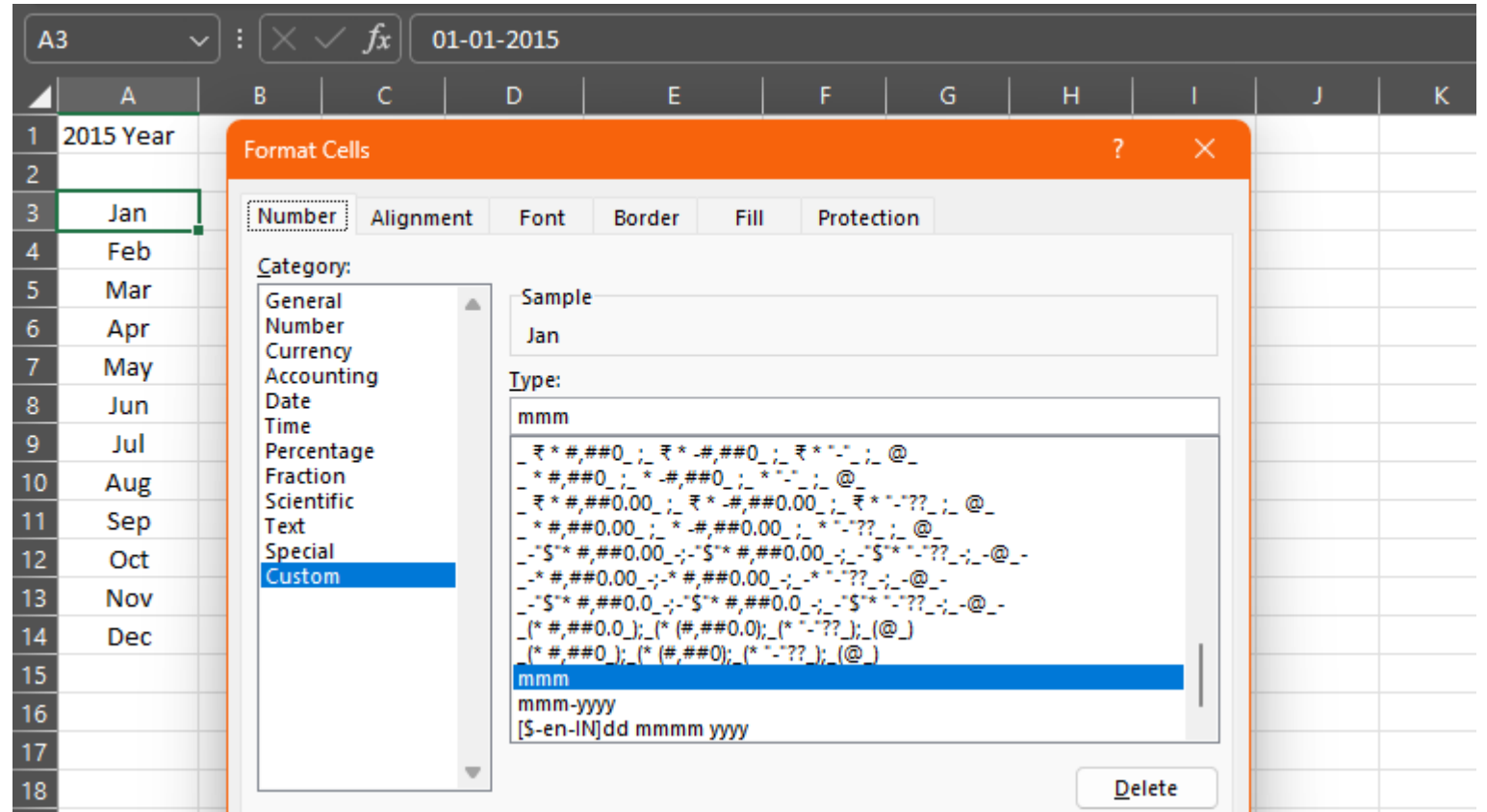
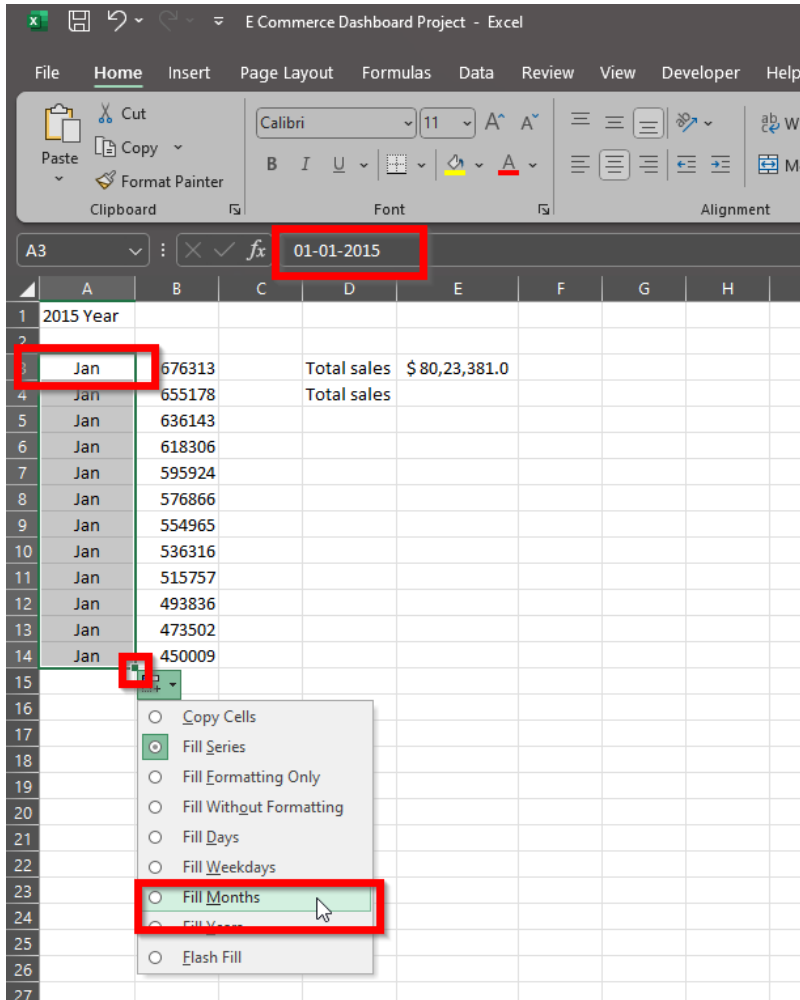
2. Rename table

The screenshot shows the 'Table Design' ribbon in Excel. The 'Table Name' field in the Properties group is highlighted with a red box and contains the text 'sd'. A yellow callout box with red text points to this field, stating: "Rename as per used option for example i changed to 'SD'. *Remember i used this 'SD' in formula". The 'Table Design' tab itself is also highlighted with a red box. Below the ribbon, the spreadsheet data is visible, with the first column header 'Order ID' highlighted in blue.

Order ID	Order Date	Ship Date	Aging	Ship Mode	Product Category	Product	Sales	Quantity	Discount	Profit
AU-2015-1	09-11-2015	17-11-2015	8	First Class	Auto & Accessories	Car Media Players	\$ 140.0	2	0.05	\$ 46.0
AU-2015-2	30-06-2015	02-07-2015	2	First Class	Auto & Accessories	Car Speakers	\$ 211.0	3	0.03	\$ 112.0
AU-2015-3	05-12-2015	13-12-2015	8	First Class	Auto & Accessories	Car Body Covers	\$ 117.0	5	0.01	\$ 31.2
AU-2015-4	09-05-2015	16-05-2015	7	First Class	Auto & Accessories	Car & Bike Care	\$ 118.0	2	0.05	\$ 26.2
AU-2015-5	09-07-2015	18-07-2015	9	First Class	Auto & Accessories	Tyre	\$ 250.0	1	0.04	\$ 160.0
AU-2015-6	25-02-2015	05-03-2015	8	First Class	Auto & Accessories	Bike Tyres	\$ 72.0	3	0.04	\$ 24.0
AU-2015-7	09-04-2015	10-04-2015	1	First Class	Auto & Accessories	Car Mat	\$ 54.0	1	0.05	\$ 54.0
AU-2015-8	30-03-2015	06-04-2015	7	First Class	Auto & Accessories	Car Seat Covers	\$ 114.0	5	0.02	\$ 22.6

3. New sheet created

In cell A3 added date 01-01-2015 (manually), change format as “mmm” and drag upto 12 cells down and fill by month



4. In cell B4, I need the total sales happen on JAN month. So I used sum ifs function
=SUMIFS(sd[Sales],sd[Order Date],">="&A3,sd[Order Date],"<="&EOMONTH(A3,0))

[illegible][illegible]

(for pic 2 in 3 slide)

1. Sum range
2. Criteria range
3. Greater than or equal to 01-Jan-2015 // # first criteria
4. Criteria range
5. Less than or equal to End of month 01-Jan-2015 // EOMonth()
formula

5. In cell F3, I need the total sales
=SUM(sd[Sales])

6 in F4 cell. I need the total profit
=SUM(sd[Profit])

=SUM(sd[Sales])				
C	D	E	F	G
3,13,566		Total sales	\$ 80,23,381	
2,86,103		Total profit	\$ 37,29,903	
3,17,186				
3.08.365				

Font Font Alig				
=SUM(sd[Profit])				
C	D	E	F	G
\$3,13,566		Total sales	\$ 80,23,381	
\$2,86,103		Total profit	\$ 37,29,903	
\$3,17,186				
\$3 08 365				

7. I need the region available in sales data and also I don't need any duplicate so in cell H3 I used below formula

=sort(UNIQUE(sd[Region])) // # sort with unique function

Font		Alignment			
=SORT(UNIQUE(sd[Region]))					
C	D	E	F	G	H
					Region
3,13,566		Total sales	\$ 80,23,381		Africa
2,86,103		Total profit	\$ 37,29,903		Canada
3,17,186					Caribbean
3,08,365					Central
3,13,751					Central Asia
3,07,585					East
3,18,703					EMEA
3,10,443					North
3,05,334					North Asia
3,20,749					Oceania
3,04,716					South
3,23,402					Southeast Asia
					West

=SUMIFS(sd[Sales],sd[Region],H3)									
C	D	E	F	G	H	I	J	K	L
					Region	Sales	Profit		Bin
3,13,566		Total sales	\$ 80,23,381		Africa	713074	332206.8		1
2,86,103		Total profit	\$ 37,29,903		Canada	60003	27782.31		5
3,17,186					Caribbean	260495	120602.7		6
3,08,365					Central	1735900	804172.6		10
3,13,751					Central Asia	321005	149526		
3,07,585					East	446468	206683		
3,18,703					EMEA	788072	368553.7		
3,10,443					North	750482	349285.2		
3,05,334					North Asia	369816	170911.4		
3,20,749					Oceania	544827	253680.8		
3,04,716					South	1034884	479146.8		
3,23,402					Southeast Asia	500923	235587.8		
					West	497432	231763.7		

8. Based on region I need sum of sales and profit so below formula

=SUMIFS(sd[Sales],sd[Region],H3)

=SUMIFS(sd[Profit],sd[Region],H3)

=SUMIFS(sd[Profit],sd[Region],H3)									
C	D	E	F	Formula Bar		H	I	J	K
						Region	Sales	Profit	
3,13,566		Total sales	\$ 80,23,381			Africa	713074	332206.8	
2,86,103		Total profit	\$ 37,29,903			Canada	60003	27782.31	
3,17,186						Caribbean	260495	120602.7	

7. Drag and drop

=SUMIFS(sd[Sales],sd[Region],H3)

C	D	E	F	G	H	I	J	K
					Region	Sales	Profit	
,13,566		Total sales	\$ 80,23,381		Africa	713074	332206	
,86,103		Total profit	\$ 37,29,903		Canada			
,17,186					Caribbean			
,08,365					Central			
13,751					Central Asia			
,07,585					East			
,18,703					EMEA			
,10,443					North			
,05,334					North Asia			
,20,749					Oceania			
,04,716					South			
,23,402					Southeast Asia			
					West			

Drag and drop upto west region

8. BIN product need to filter based on aging

0-1 how many products

2-5 how many product

6-9 how many product

10 and above how many product

So I enter 1,5,6,10 in L3,L4,L5,L6 cells

To how many I used formula

=FREQUENCY(sd[Aging],L3:L6)}

How to use it? It is array formula so we need to select the range first

	L	M	N	O
	Bin	Products	Bins (for reference)	
	1		0-1	
	5		2-5	
	6		6-9	
	10		10	

=FREQUENCY(sd[Aging],L3:L6) and ctrl+shift+Enter // # it change the formula in to array formula curly bracket auto. come

=FREQUENCY(sd[Aging],L3:L6)					No curly brackets							
	D	E	F	G						L	M	N
					Region	Sales	Profit			Bin	Products	Bins (for reference)
13,566		Total sales	\$ 80,23,381		Africa	713074	332206.8			1	6	0-1
86,103		Total profit	\$ 37,29,903		Canada	60003	27782.31			5		2-5
17,186					Caribbean	260495	120602.7			6		6-9
8,365					Central	1735900	804172.6			10		10
13,751					Central Asia	321005	149526					
7,585					East	446468	206683					

9. List of product categories manual enter in P2 cell
10. Need product category without duplicate so used formula is
=SORT(UNIQUE(sd[Product Category]))

```
=SORT(UNIQUE(sd[Product Category]))
```

C	D	E	F
	P	Q	
	List of Product Categories		
	sd[Product Category])		
	Electronic		
	Fashion		
	Home & Furniture		

9. Need to set criteria based on product categories dynamically

So added formula in cell Q4

=OFFSET(P2,Q3,0)

//# value in to text function

//# p2 is the reference

//q3 is the number

//0 is the column *not available in our case

In below reference q3 = 1

So it return from p2 what is the next line of p2 in our case it is Auto & accessories

If we change q3=2

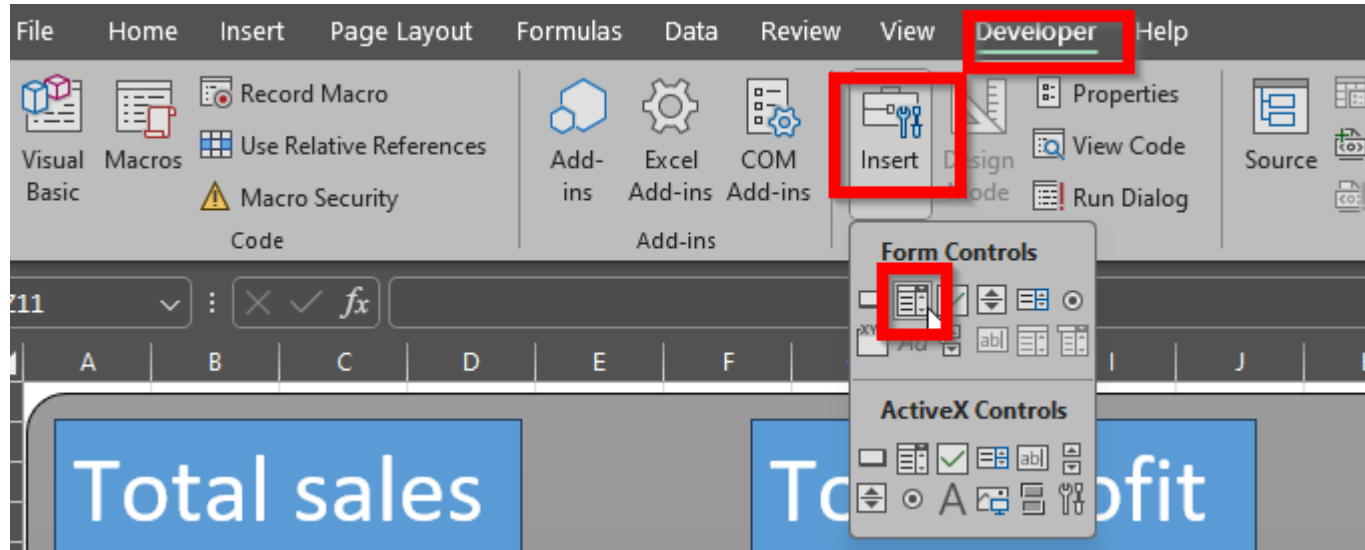
Then it will return electronic because 2 line (row) of p2 ie Electronics

Clipboard		Font	
SUM	⌵	✕ ✓ <i>f_x</i>	=OFFSET(P2,Q3,0)
▲	P	Q	R
1			
2	List of Product Categories		
3	Auto & Accessories	1	
4	Electronic	=OFFSET(P2,Q3,0)	
5	Fashion		
6	Home & Furniture		
7			

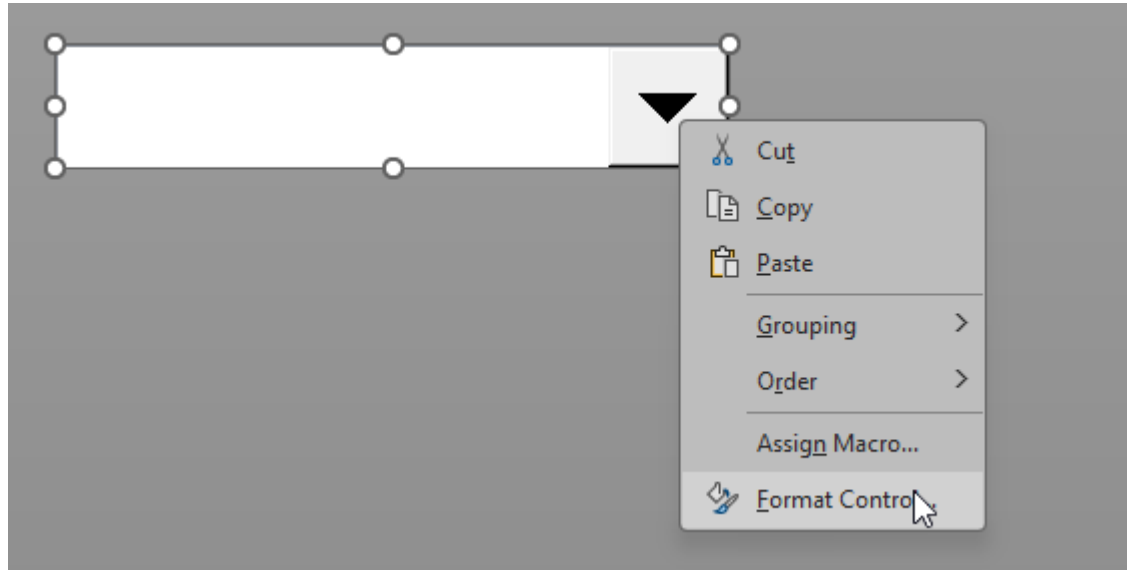
T9		✕ ✓ <i>f_x</i>	
▲	P	Q	R
1			
2	List of Product Categories		
3	Auto & Accessories	2	
4	Electronic	Electronic	
5	Fashion		
6	Home & Furniture		
7			

Added new sheet ie Dash board

In developer tab → insert → Combo box

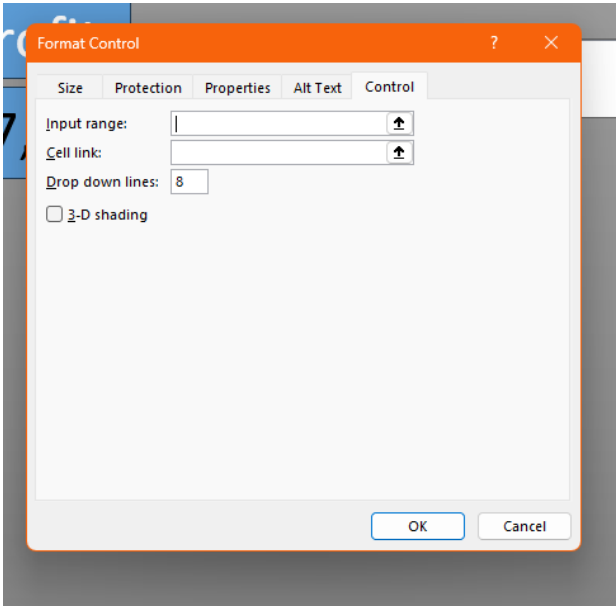


Drag in work sheet and place the combo box
Right click→format control



Input range

Input range

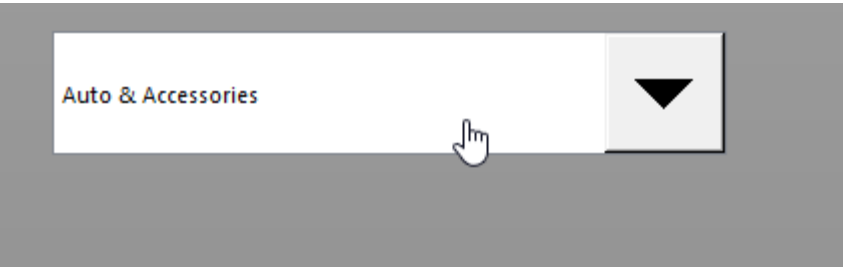


H	I	J	K	L	M	N	O	P	Q	R
Region	Sales	Profit		Bin	Products	Bins (for reference)		List of Product Categories		
						0-1		Auto & Accessories	1	
						2-5		Electronic	Auto & Accessories	
						6-9		Fashion		
						10		Home & Furniture		
Central	227929	98865.19		10	19285	10				
Central Asia	35956	15656.06								
East	72321	31933.59								
EMEA	102947	45624.04								
North	100025	44013.26								

Cell link

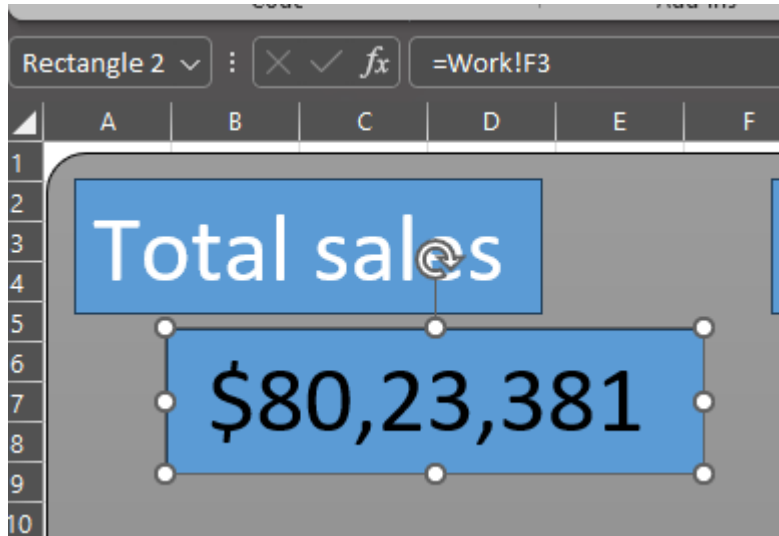
Region	Sales	Profit	Bin	Products	Bins (for reference)	List of Product Categories
Central	227929	98865.19	10	19285	10	Auto & Accessories
Central Asia	35956	15656.06				Electronic
East	72321	31933.59				Fashion
EMEA	102947	45624.04				Home & Furniture

okay



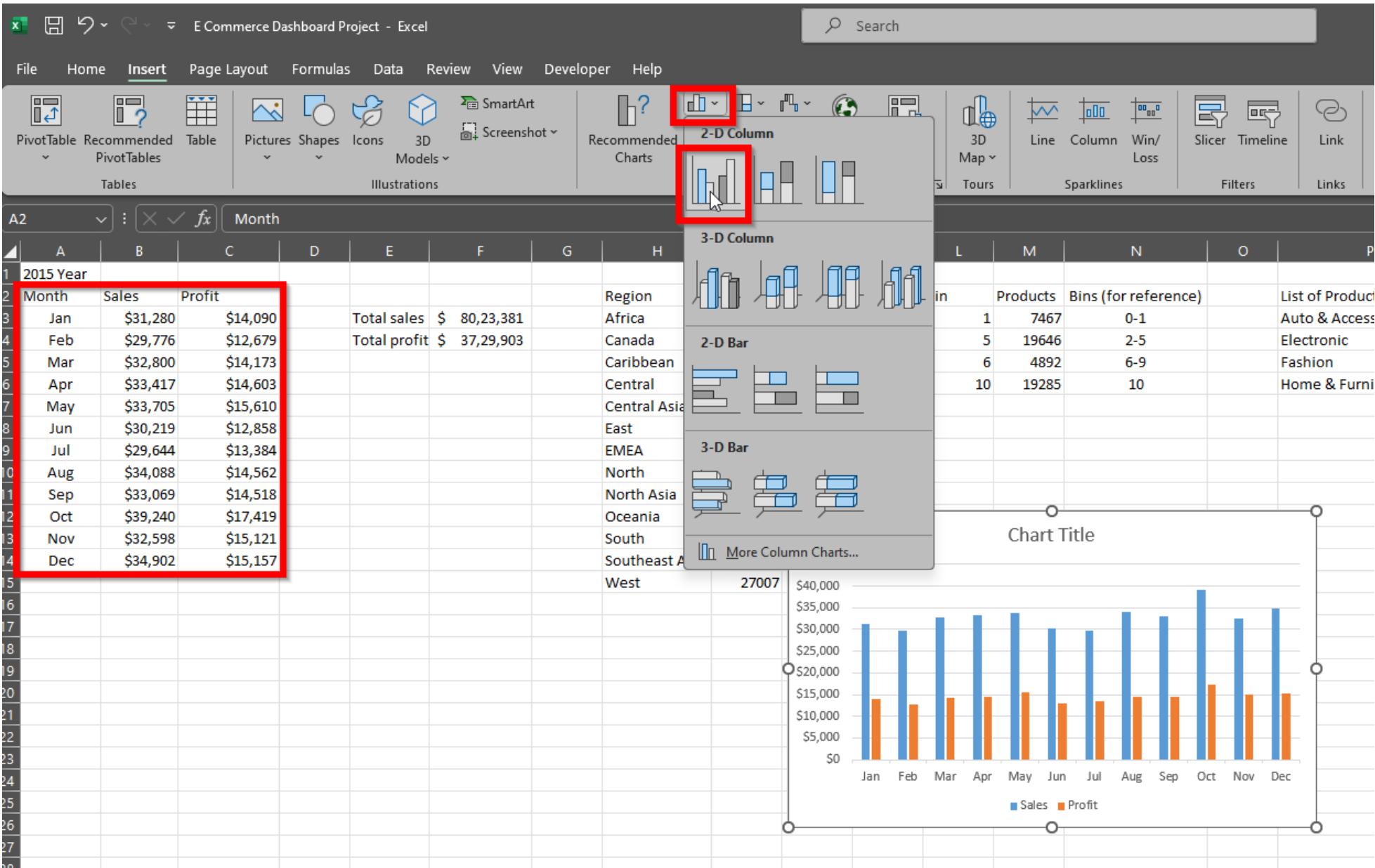
List available in drop down and it will dynamic if you select it will change every value except the Bin

Work on graphics part link the cell in the rectangle click the rectangle and in formula bar link the cell. Similar for the profit too

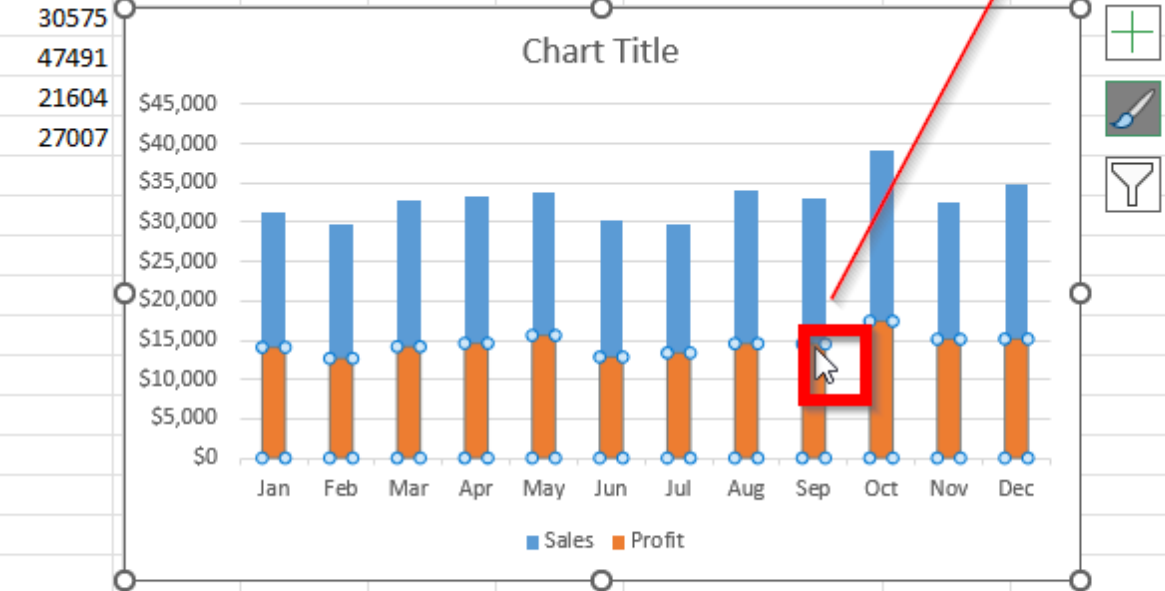


Select cells

tables			
A2 : <input type="button" value="✕"/> <input type="button" value="✓"/> <input type="button" value="fx"/> Month			
	A	B	C
1	2015 Year		
2	Month	Sales	Profit
3	Jan	\$31,280	\$14,090
4	Feb	\$29,776	\$12,679
5	Mar	\$32,800	\$14,173
6	Apr	\$33,417	\$14,603
7	May	\$33,705	\$15,610
8	Jun	\$30,219	\$12,858
9	Jul	\$29,644	\$13,384
10	Aug	\$34,088	\$14,562
11	Sep	\$33,069	\$14,518
12	Oct	\$39,240	\$17,419
13	Nov	\$32,598	\$15,121
14	Dec	\$34,902	\$15,157
15			



I	J	K	L	M	N	O	P	Q	R	S
Sales	Profit		Bin	Products	Bins (for reference)		List of Product Categories			
37993	16824.43		1	7467	0-1		Auto & Accessories		2	
4602	2068.883		5	19646	2-5		Electronic	Electronic		
12287	5249.273		6	4892	6-9		Fashion			
82750	35972.91		10	19285	10		Home & Furniture			
11573	4736.01									
23353	10351.73									
42527	19174.28									
36746	16388.36									
16230	7355.393									



Click here

Style

Color

Three preview thumbnails showing the chart with different styling options: 1. Default styling with blue bars and orange profit bars. 2. A theme with a light blue background and white grid lines. 3. A theme with a dark background and light blue grid lines.

Format Data Series

Series Options



Series Options

Plot Series On

☒ Primary Axis

☐ Secondary Axis

Series Overlap 100%

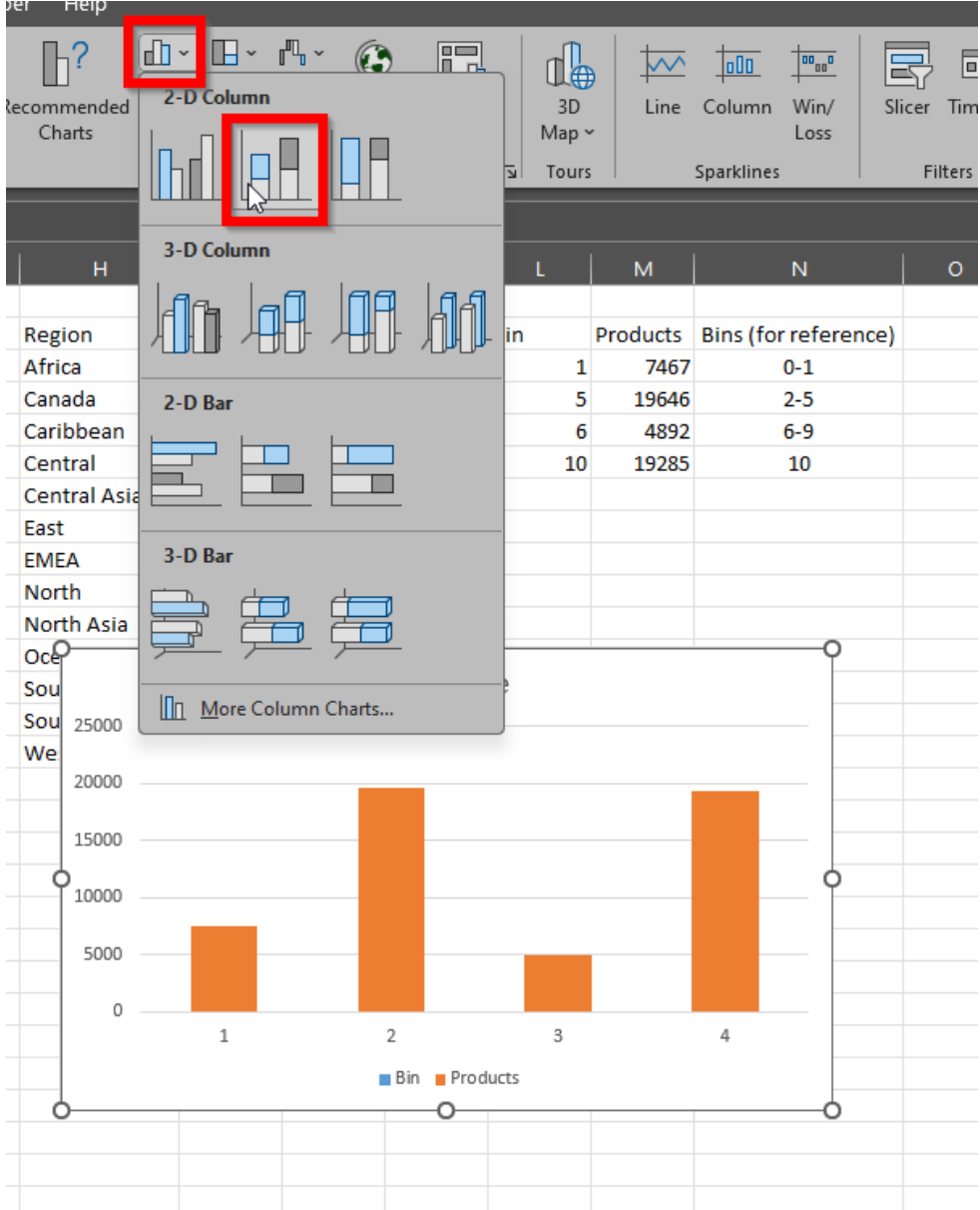
Gap Width 192%

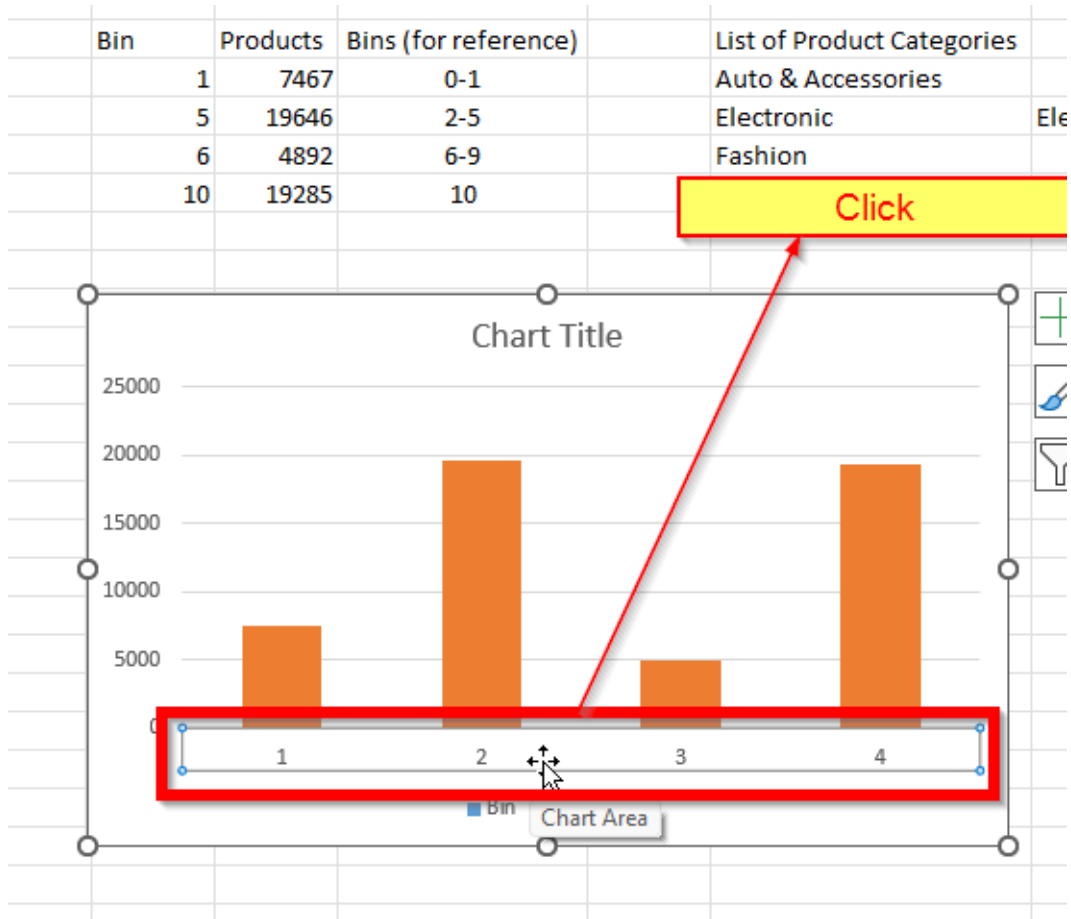
Same for region

G	H	I	J	K
	Region	Sales	Profit	
	Africa	37993	16824.43	
	Canada	4602	2068.883	
	Caribbean	12287	5249.273	
	Central	82750	35972.91	
	Central Asia	11573	4736.01	
	East	23353	10351.73	
	EMEA	42527	19174.28	
	North	36746	16388.36	
	North Asia	16230	7355.393	
	Oceania	30575	13726.65	
	South	47491	20617.67	
	Southeast Asia	21604	9968.707	
	West	27007	11740.75	

Same for BIN

Bin	Products	Bins
1	7467	
5	19646	
6	4892	
10	19285	





FileHomeInsertPage LayoutFormulasDataReviewViewDeveloperHelpChart DesignFormat

Add Chart ElementQuick LayoutChart Layouts

Change Colors

Chart Styles

Switch Row / Column Data

Select Data

Change Chart Type

Move Chart

Chart 5

✕

✓

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	2015 Year																	
2	Month	Sales	Profit					Region	Sales	Profit		Bin	Products	Bins (for reference)		List of Product Categories		
3	Jan	\$31,280	\$14,090		Total sales	\$ 80,23,381		Africa	37993	16824.43		1	7467	0-1		Auto & Accessories		2
4	Feb	\$29,776	\$12,679		Total profit	\$ 37,29,903		Canada	4602	2068.883		5	19646	2-5		Electronic	Electronic	
5	Mar	\$32,800	\$14,173					Caribbean	12287	5249.273		6	4892	6-9		Fashion		
6	Apr	\$33,417	\$14,603					Central	82750	35972.91		10	19285	10		Home & Furniture		
7	May	\$33,705	\$15,610					Central Asia	11573	4736.01								
8	Jun	\$30,219	\$12,858					East	23353	10351.73								
9	Jul	\$29,644	\$13,384					EMEA	42527	19174.28								
10	Aug	\$34,088	\$14,562					North	36746	16388.36								
11	Sep	\$33,069	\$14,518					North Asia	16230	7355.393								
12	Oct	\$39,240	\$17,419					Oceania	30575	13726.65								
13	Nov	\$32,598	\$15,121					South	47491	20617.67								
14	Dec	\$34,902	\$15,157					Southeast Asia	21604	9968.707								
15								West	27007	11740.75								
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		

Chart Title


Category	Bin	Products
1	0	7467
2	0	19646
3	0	4892
4	0	19285


Select Data Source


Chart data range:

 Switch Row/Column

Legend Entries (Series)


 Add

 Edit

 Remove





 Edit

- ☒ Bin
- ☒ Products

Horizontal (Category) Axis Labels

- ☒ 1
- ☒ 2
- ☒ 3
- ☒ 4

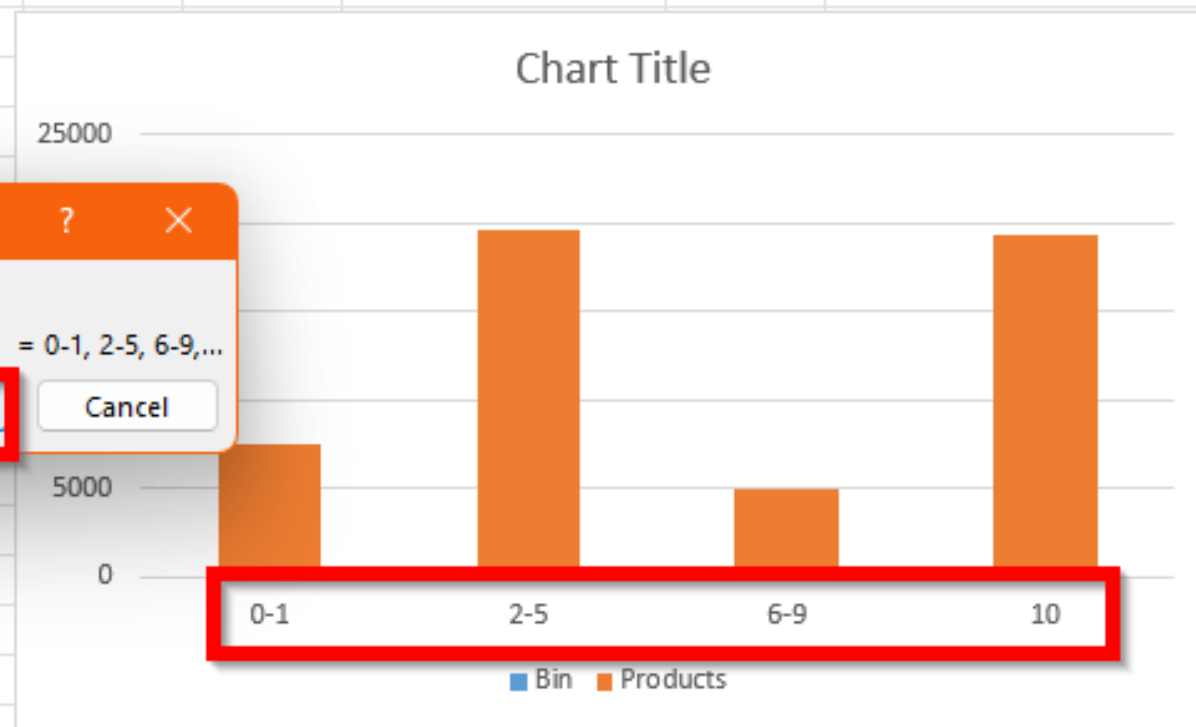
☐ Hidden and Empty Cells

OK

Cancel

	Sales	Profit	Bin	Products	Bins (for reference)	List of Product Categories	
	37993	16824.43		1	0-1	Auto & Accessories	
	4602	2068.883		5	2-5	Electronic	Electro
an	12287	5249.273		6	6-9	Fashion	
	82750	35972.91		10	10	Home & Furniture	
Asia	11573	4736.01					
	23353	10351.73					
	42527	19174.28					
	36746	16388.36					
Asia	16230	7355.393					
a	20575	12726.65					

0-1
2-5
6-9
10



Axis Labels

Axis label range:

Total sales

\$80,23,381

Total profit

\$37,29,903

Auto & Accessories

