

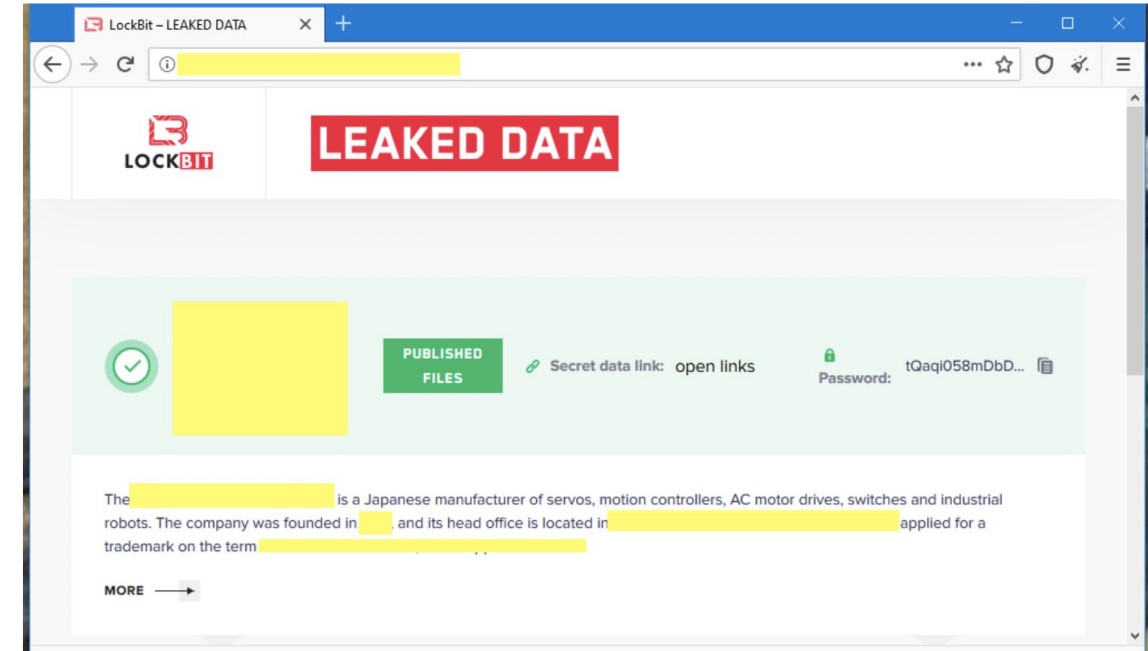
# Group Project

Yihao Lim

# Group Project – 30%

With the rise in data exfiltration during ransomware attacks came a rise in “shaming” websites, which are leveraged by threat actors to extort victims into paying the ransom.

Shaming websites are used by threat actors as a tool to publicly name victims and post stolen data in an effort to extort them into paying the ransom demand.



# Focus on Period Between Jan 2024 to Aug 2024

1. What is the % distribution in Countries Targeted Globally? [2 Points]
2. Why are some countries more targeted than others? [2 Points]
3. Which Ransomware group is the most active? What is so unique about their TTP that makes them so “successful”? [6 Points]
4. Which Industries Are More Prone To Ransomware Threats? Why? [5 Points]
5. We know actors target sensitive data, but what kind of data do actors usually target? What are the kinds of data targeted in each industry? Show a breakdown comparing types of data stolen. [5 Points]
6. Share 3 interesting insights you observed. [9 Points]
7. Share lessons learnt, what were your struggles in executing the project and how did you overcome them? [1 Point]

**Font Size 11, Limit to 10 Pages**

Grading criteria = Use of Visualisation + Depth of primary research + Structure of Report

Ensure data set is within the period specified, any references to other time periods is invalid.

Choose 3-4 ransomware shaming groups to study in your group assignment.

Grading will be as a team (everyone gets the same grade)

\*Peer evaluation is optional

# Submission Criteria

Submission should include:

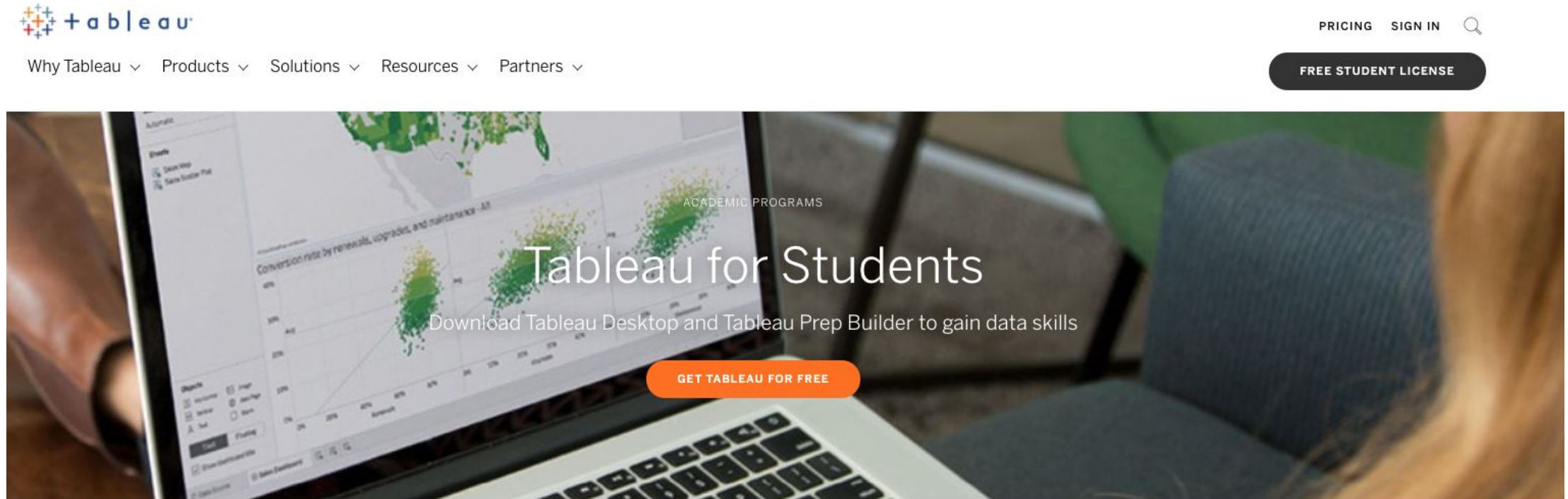
- Report (.DOCX) + (.PDF) file
- Scripts that were used to scrape data
- Tableau (.twbx) files
- Group leader to submit on behalf of the group. State Group members name and Group name in Submission

**Submission on 14 Oct by 2359hrs. Late submission entails 25% deduction from your final score.**

# Introduction to Tableau

# Sign up

- Download TABLEAU for students: <https://www.tableau.com/academic/students>



We offer free one-year Tableau licenses to students at accredited academic institutions through our Tableau for Students program. Receive access to our entire eLearning suite once verified.

## STEPS

Step 1: Connect to your data

Learn all about the Start page and how to connect to your data.

[GO TO STEP](#)

Step 2: Drag and drop to take a first look

Get to know the Tableau workspace, learn the language of Tableau, and start examining your data.

[GO TO STEP](#)

Step 3: Focus your results

Ask deeper questions and use additional tools to refine your views and gain insights about your data.

[GO TO STEP](#)

Step 4: Explore your data geographically

Learn how to plot your data on a map to see if you can spot any trends.

[GO TO STEP](#)

Step 5: Drill down into the details

Drill down into the details of your data and learn how to create a Top filter.

[GO TO STEP](#)

Step 6: Build a dashboard to show your insights

Learn how to build and format a dashboard to display the visualizations you created.

[GO TO STEP](#)

Step 7: Build a story to present

Learn how to build and format a story to present your findings.

[GO TO STEP](#)

Step 8: Share your findings

Share your findings with your organization on Tableau Server or Tableau Online, or share them with the world on Tableau Public.

[GO TO STEP](#)

<https://help.tableau.com/current/guides/get-started-tutorial/en-us/get-started-tutorial-connect.htm>



# Sample Superstore Example

Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer Name	Segment	Country	City	State	Postal Cod	Region	Product ID	Category	Sub-Categ	Product Na	Sales	Quantity	Discount
1	CA-2017-1	8/11/17	11/11/17	Second Cla	CG-12520	Claire Gute	Consumer	United Sta	Henderson	Kentucky	42420	South	FUR-BO-1C	Furniture	Bookcases	Bush Some	261.96	2	0
2	CA-2017-1	8/11/17	11/11/17	Second Cla	CG-12520	Claire Gute	Consumer	United Sta	Henderson	Kentucky	42420	South	FUR-CH-1C	Furniture	Chairs	Hon Deluxe	731.94	3	0
3	CA-2017-1	12/6/17	16/6/17	Second Cla	DV-13045	Darrin Van Huff	Corporate	United Sta	Los Angele	California	90036	West	OFF-LA-1C	Office Sup	Labels	Self-Adhes	14.62	2	0
4	US-2016-1	11/10/16	18/10/16	Standard C	SO-20335	Sean O'Donnell	Consumer	United Sta	Fort Laude	Florida	33311	South	FUR-TA-1C	Furniture	Tables	Bretford CF	957.5775	5	0.45
5	US-2016-1	11/10/16	18/10/16	Standard C	SO-20335	Sean O'Donnell	Consumer	United Sta	Fort Laude	Florida	33311	South	OFF-ST-1C	Office Sup	Storage	Eldon Fold	22.368	2	0.2
6	CA-2015-1	9/6/15	14/6/15	Standard C	BH-11710	Brosina Hoffman	Consumer	United Sta	Los Angele	California	90032	West	FUR-FU-1C	Furniture	Furnishing	Eldon Expr	48.86	7	0
7	CA-2015-1	9/6/15	14/6/15	Standard C	BH-11710	Brosina Hoffman	Consumer	United Sta	Los Angele	California	90032	West	OFF-AR-1C	Office Sup	Art	Newell 322	7.28	4	0
8	CA-2015-1	9/6/15	14/6/15	Standard C	BH-11710	Brosina Hoffman	Consumer	United Sta	Los Angele	California	90032	West	TEC-PH-1C	Technology	Phones	Mitel 5320	907.152	6	0.2
9	CA-2015-1	9/6/15	14/6/15	Standard C	BH-11710	Brosina Hoffman	Consumer	United Sta	Los Angele	California	90032	West	OFF-BI-1C	Office Sup	Binders	DXL Angle-	18.504	3	0.2
10	CA-2015-1	9/6/15	14/6/15	Standard C	BH-11710	Brosina Hoffman	Consumer	United Sta	Los Angele	California	90032	West	OFF-AP-1C	Office Sup	Appliances	Belkin F5C	114.9	5	0
11	CA-2015-1	9/6/15	14/6/15	Standard C	BH-11710	Brosina Hoffman	Consumer	United Sta	Los Angele	California	90032	West	FUR-TA-1C	Furniture	Tables	Chromcraf	1706.184	9	0.2
12	CA-2015-1	9/6/15	14/6/15	Standard C	BH-11710	Brosina Hoffman	Consumer	United Sta	Los Angele	California	90032	West	TEC-PH-1C	Technology	Phones	Konftel 25C	911.424	4	0.2
13	CA-2018-1	15/4/18	20/4/18	Standard C	AA-10480	Andrew Allen	Consumer	United Sta	Concord	North Caro	28027	South	OFF-PA-1C	Office Sup	Paper	Xerox 1967	15.552	3	0.2
14	CA-2017-1	5/12/17	10/12/17	Standard C	IM-15070	Irene Maddox	Consumer	United Sta	Seattle	Washingtc	98103	West	OFF-BI-1C	Office Sup	Binders	Fellowes P	407.976	3	0.2
15	US-2016-1	22/11/16	26/11/16	Standard C	HP-14815	Harold Pawlan	Home Offi	United Sta	Fort Worth	Texas	76106	Central	OFF-AP-1C	Office Sup	Appliances	Holmes Re	68.81	5	0.8
16	US-2016-1	22/11/16	26/11/16	Standard C	HP-14815	Harold Pawlan	Home Offi	United Sta	Fort Worth	Texas	76106	Central	OFF-BI-1C	Office Sup	Binders	Storex Dur	2.544	3	0.8
17	CA-2015-1	11/11/15	18/11/15	Standard C	PK-19075	Pete Kriz	Consumer	United Sta	Madison	Wisconsin	53711	Central	OFF-ST-1C	Office Sup	Storage	Stur-D-Sto	665.88	6	0
18	CA-2015-1	13/5/15	15/5/15	Second Cla	AG-10270	Alejandro Grove	Consumer	United Sta	West Jorde	Utah	84084	West	OFF-ST-1C	Office Sup	Storage	Fellowes S	55.5	2	0
19	CA-2015-1	27/8/15	1/9/15	Second Cla	ZD-21925	Zuschuss Donatelli	Consumer	United Sta	San Franci	California	94109	West	OFF-AR-1C	Office Sup	Art	Newell 341	8.56	2	0
20	CA-2015-1	27/8/15	1/9/15	Second Cla	ZD-21925	Zuschuss Donatelli	Consumer	United Sta	San Franci	California	94109	West	TEC-PH-1C	Technology	Phones	Cisco SPA 5	213.48	3	0.2
21	CA-2015-1	27/8/15	1/9/15	Second Cla	ZD-21925	Zuschuss Donatelli	Consumer	United Sta	San Franci	California	94109	West	OFF-BI-1C	Office Sup	Binders	Wilson Jon	22.72	4	0.2
22	CA-2017-1	9/12/17	13/12/17	Standard C	KB-16585	Ken Black	Corporate	United Sta	Fremont	Nebraska	68025	Central	OFF-AR-1C	Office Sup	Art	Newell 318	19.46	7	0
23	CA-2017-1	9/12/17	13/12/17	Standard C	KB-16585	Ken Black	Corporate	United Sta	Fremont	Nebraska	68025	Central	OFF-AP-1C	Office Sup	Appliances	Acco Six-O	60.34	7	0
24	US-2018-1	16/7/18	18/7/18	Second Cla	SF-20065	Sandra Flanagan	Consumer	United Sta	Philadelph	Pennsylva	19140	East	FUR-CH-1C	Furniture	Chairs	Global Del	71.372	2	0.3
25	CA-2016-1	25/9/16	30/9/16	Standard C	EB-13870	Emily Burns	Consumer	United Sta	Orem	Utah	84057	West	FUR-TA-1C	Furniture	Tables	Bretford CF	1044.63	3	0
26	CA-2017-1	16/1/17	20/1/17	Second Cla	EH-13945	Eric Hoffmann	Consumer	United Sta	Los Angele	California	90049	West	OFF-BI-1C	Office Sup	Binders	Wilson Jon	11.648	2	0.2

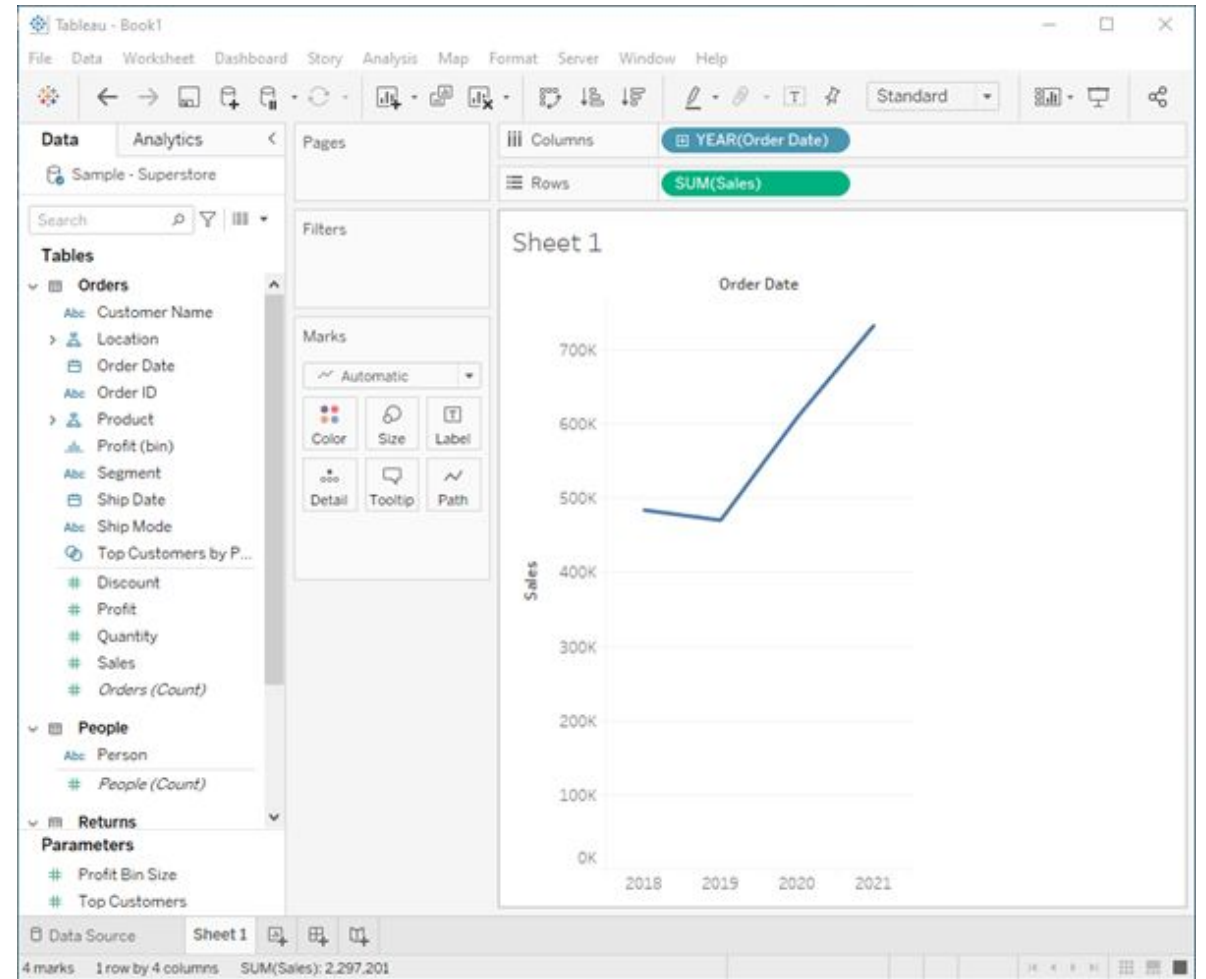


# Solution

## Step 1: Data source connection

- First, connect the sample superstore dataset to Tableau and select the “Order” sheet.
- From the Data pane, drag Order Date to the Columns shelf.
- From the Data pane, drag Sales to the Rows shelf.

*When you first create a view that includes time (in this case Order Date), Tableau automatically generates a line chart.*



This line chart shows that sales look pretty good and seem to be increasing over time. **This is good information, but it doesn't really tell you much about which products have the strongest sales and if there are some products that might be performing better than others.** Since you just got started, you decide to explore further and see what else you can find out.

# Solution

The screenshot displays the Tableau software interface. On the left, the 'Data' pane is active, showing a hierarchy of fields under the 'Orders' table. The 'Order Date' field is highlighted with a blue bar and a mouse cursor. The 'Columns' and 'Rows' shelves are empty, with 'Drop field here' text indicating where to place fields. The 'Marks' shelf is also empty, with a dropdown menu set to 'Automatic'. The 'Filters' shelf is empty. The 'Parameters' section at the bottom left lists 'Profit Bin Size' and 'Top Customers'.

**Data** Analytics <

Sample - Superstore

Search 🔍

**Tables**

- Orders
  - Customer Name
  - Location
    - Country/Region
    - Region
    - State
    - City
    - Postal Code
  - Order Date
  - Order ID
  - Product
    - Category
    - Sub-Category
    - Manufacturer
    - Product Name
  - Profit (bin)
  - Segment

**Parameters**

- Profit Bin Size
- Top Customers

Pages

Columns

Rows

Filters

Marks

Automatic

Color Size Text

Detail Tooltip

Sheet 1

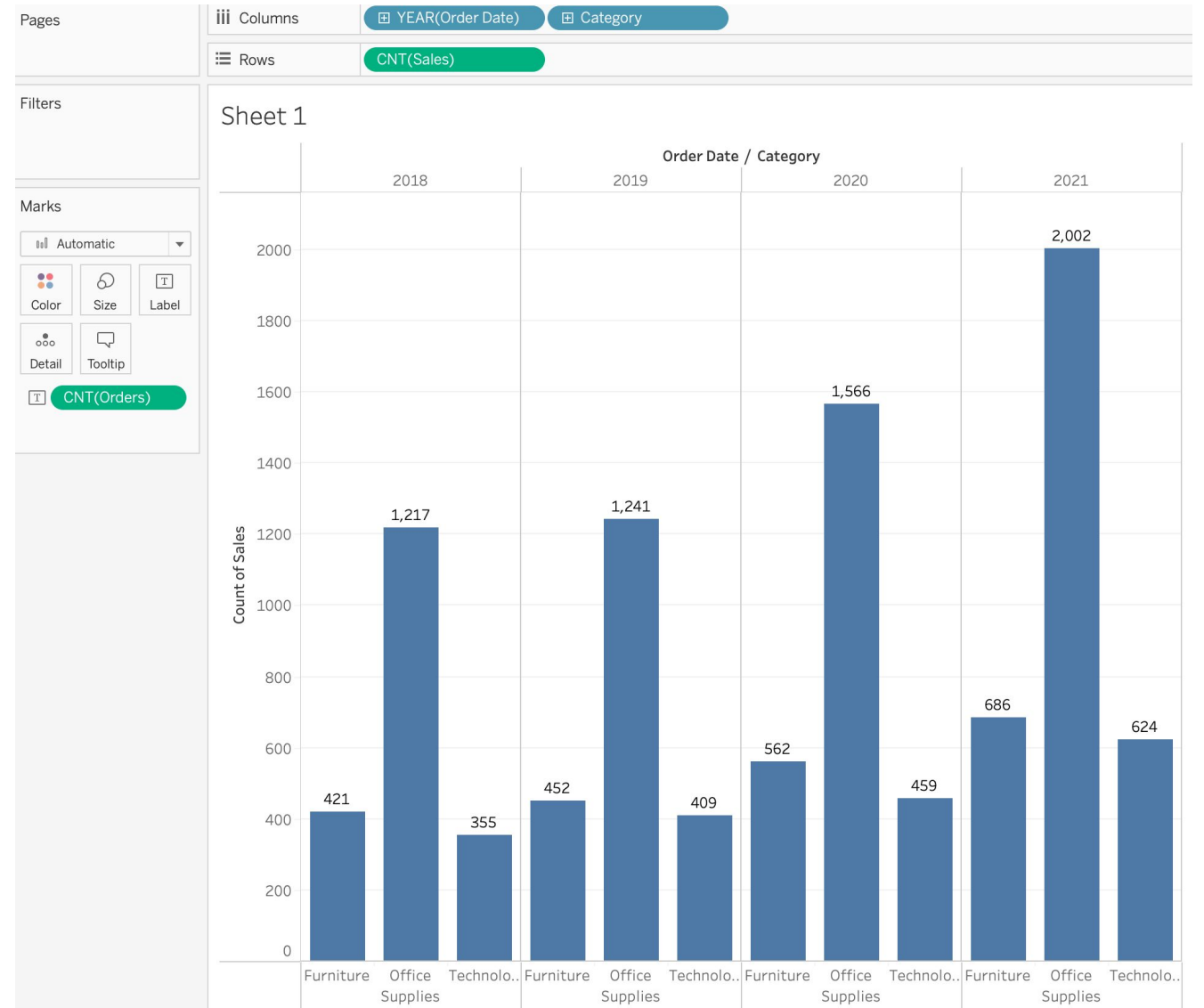
Drop field here

Drop field here

# Solution

- From the Data pane, drag Category to the Columns shelf and place it to the right of YEAR(Order Date).

Your view updates to a bar chart. By adding a second discrete dimension to the view you can categorize your data into discrete chunks instead of looking at your data continuously over time. This creates a bar chart and shows you overall sales for each product category by year.



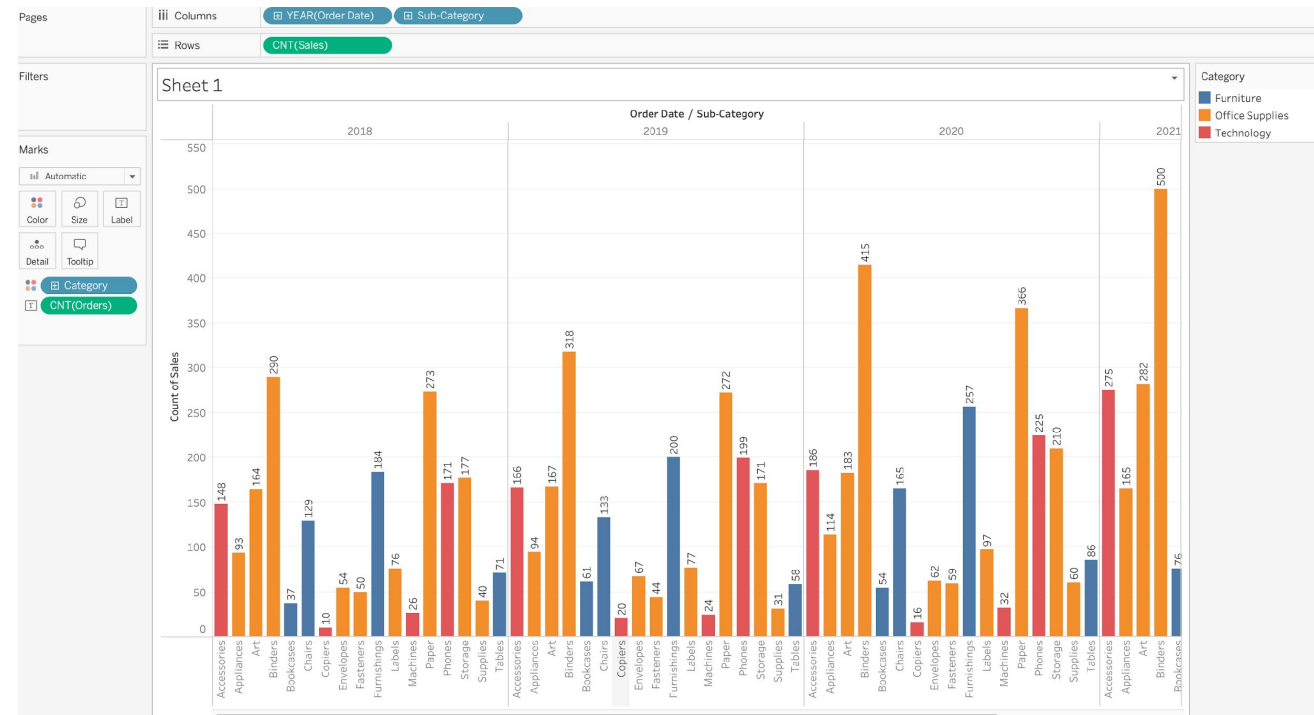
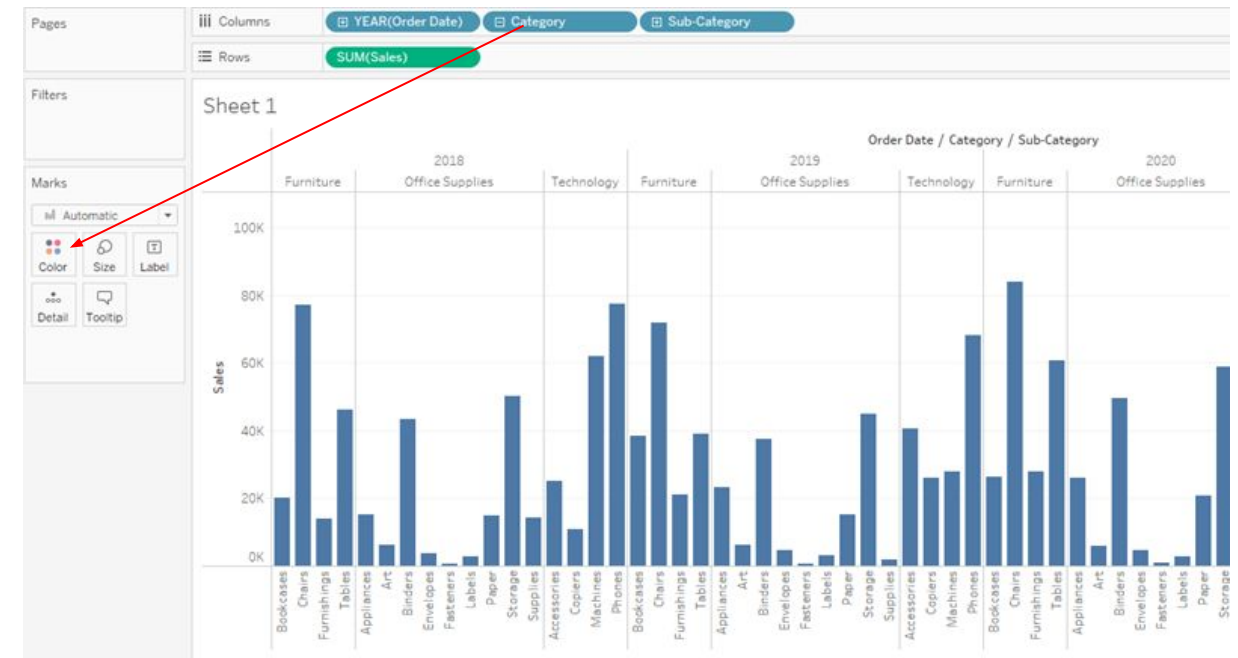
**Your view is doing a great job showing sales by category—furniture, office supplies, and technology. An interesting insight is revealed!**

# Solution

Double-click or drag Sub-Category to the Columns shelf.

Sub-Category is another discrete field. It creates another header at the bottom of the view, and shows a bar for each sub-category (68 marks) broken down by category and year.

Drop the Category icon into “Colour” to have it sorted by colour coding



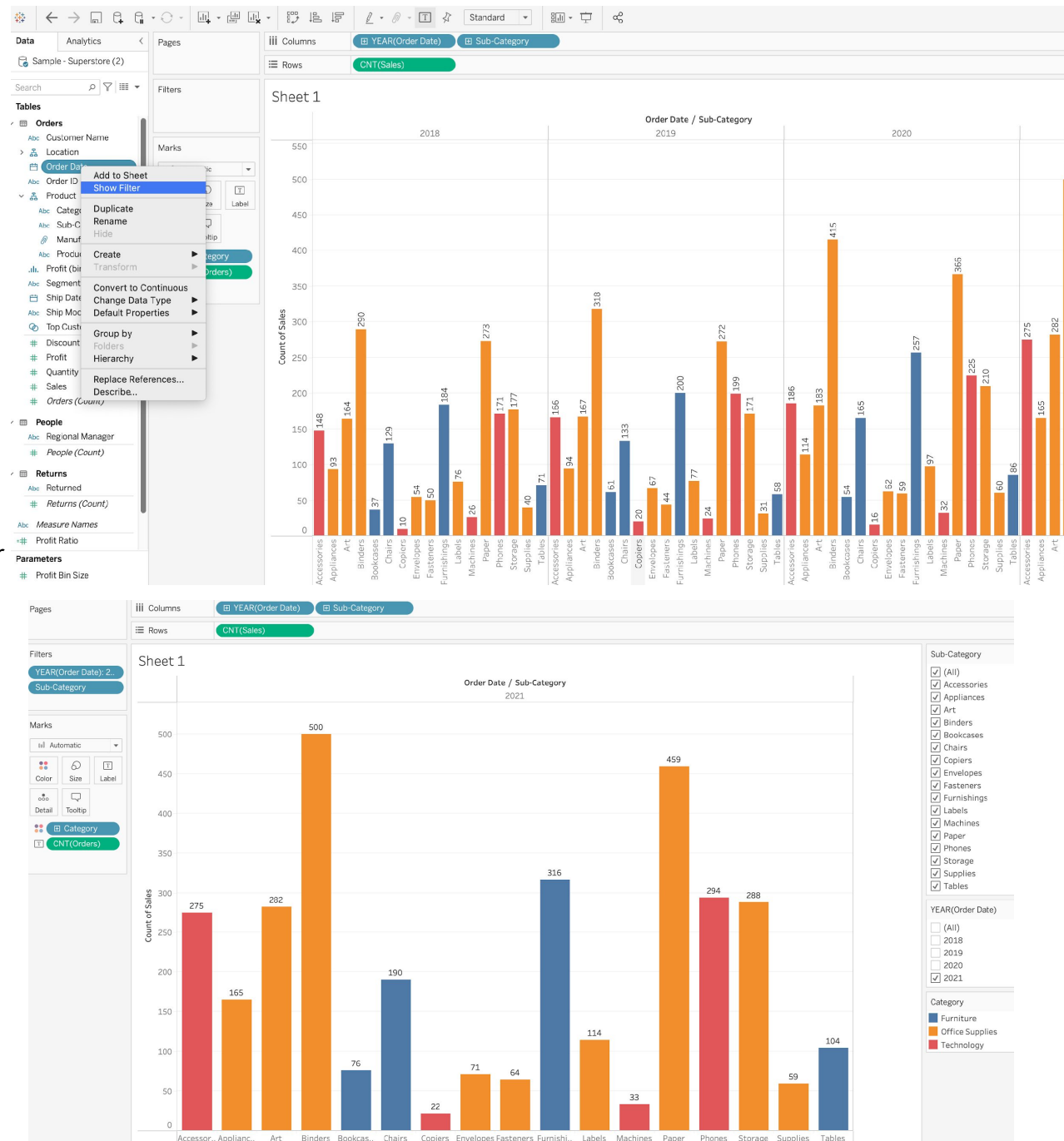
# Solution

In the Data pane, right-click Order Date and select Show Filter.

Select 2021

Repeat for Sub-category

The filters are added to the right side of your view in the order that you selected them. Filters are card types and can be moved around on the canvas by clicking on the filter and dragging it to another location in the view. As you drag the filter, a line appears that shows you where you can drop the filter to move it.





# Solution

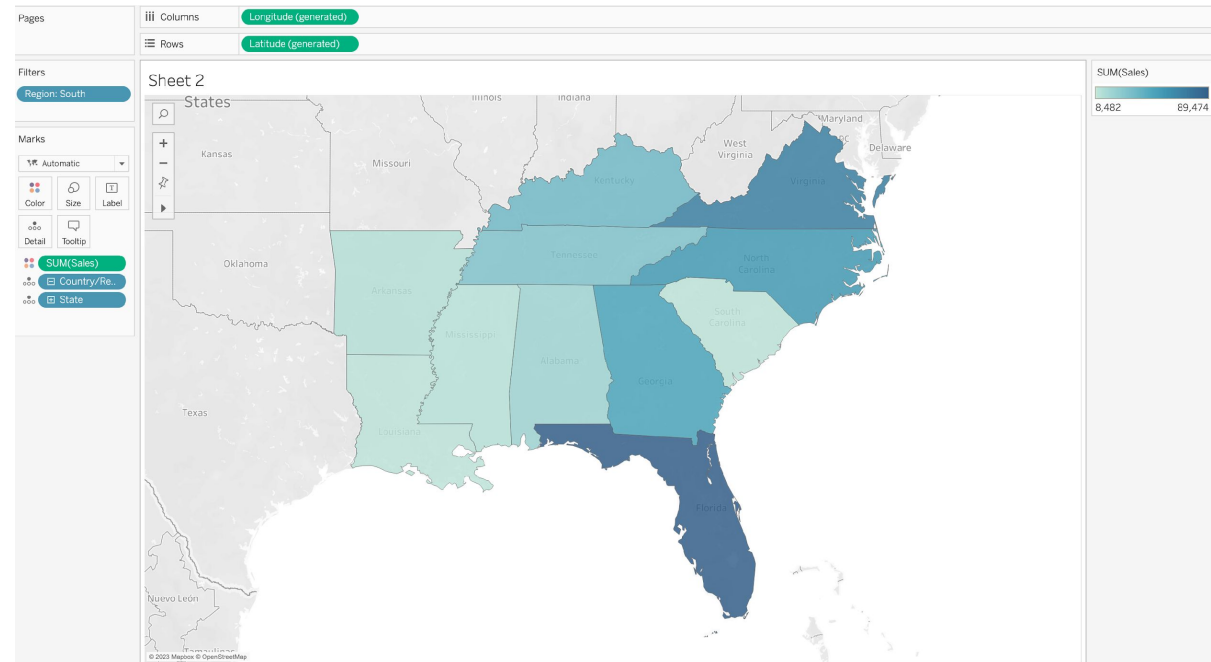
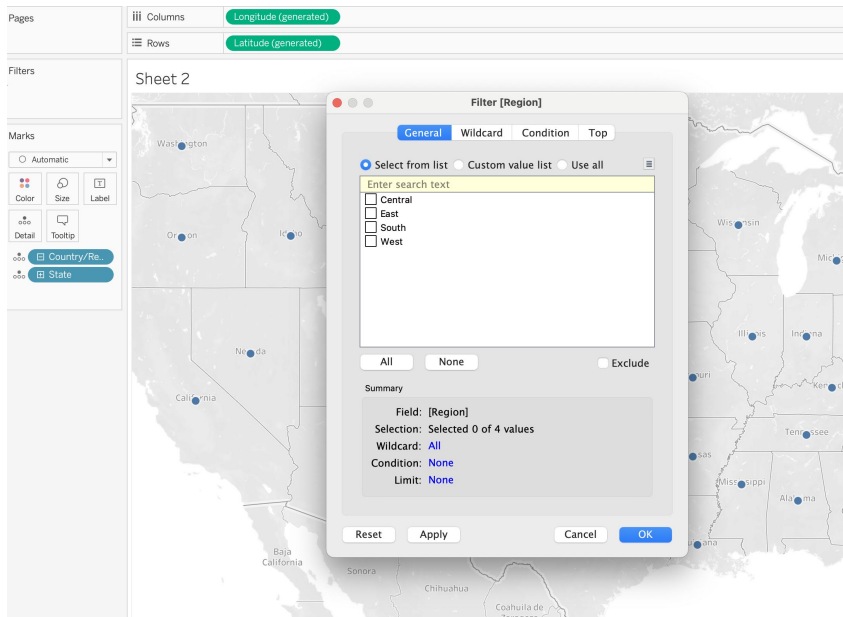
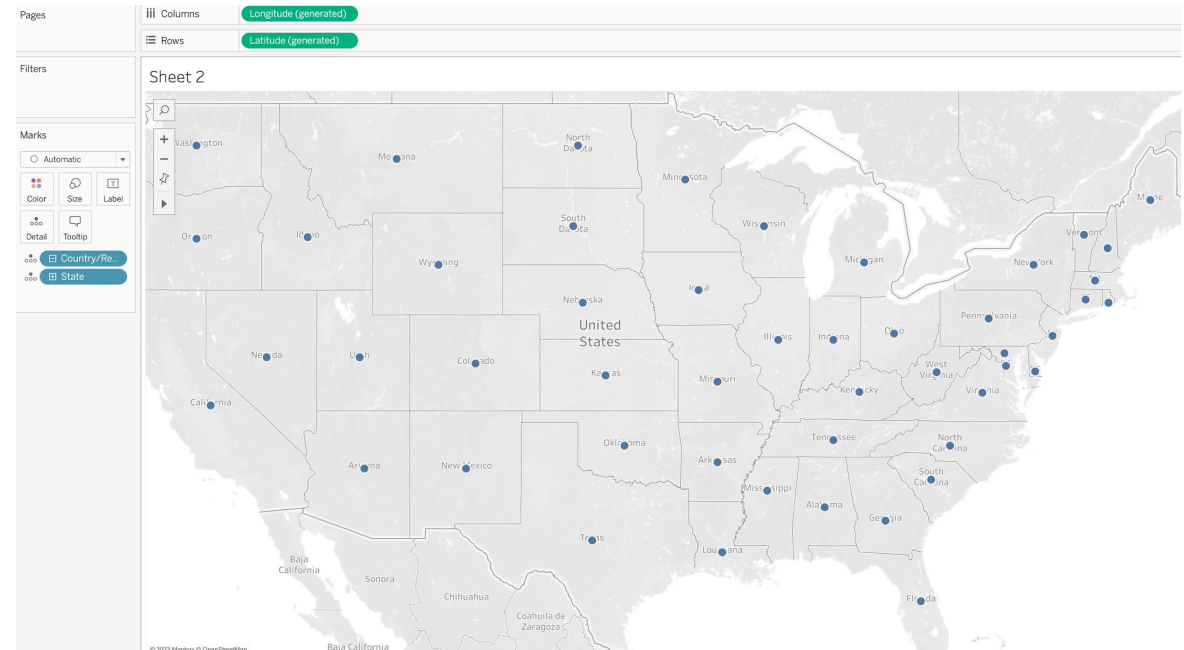
Build a map view

Start fresh with a new worksheet.

Double-click State to add it to Detail on the Marks card

Drag region to filters shelf

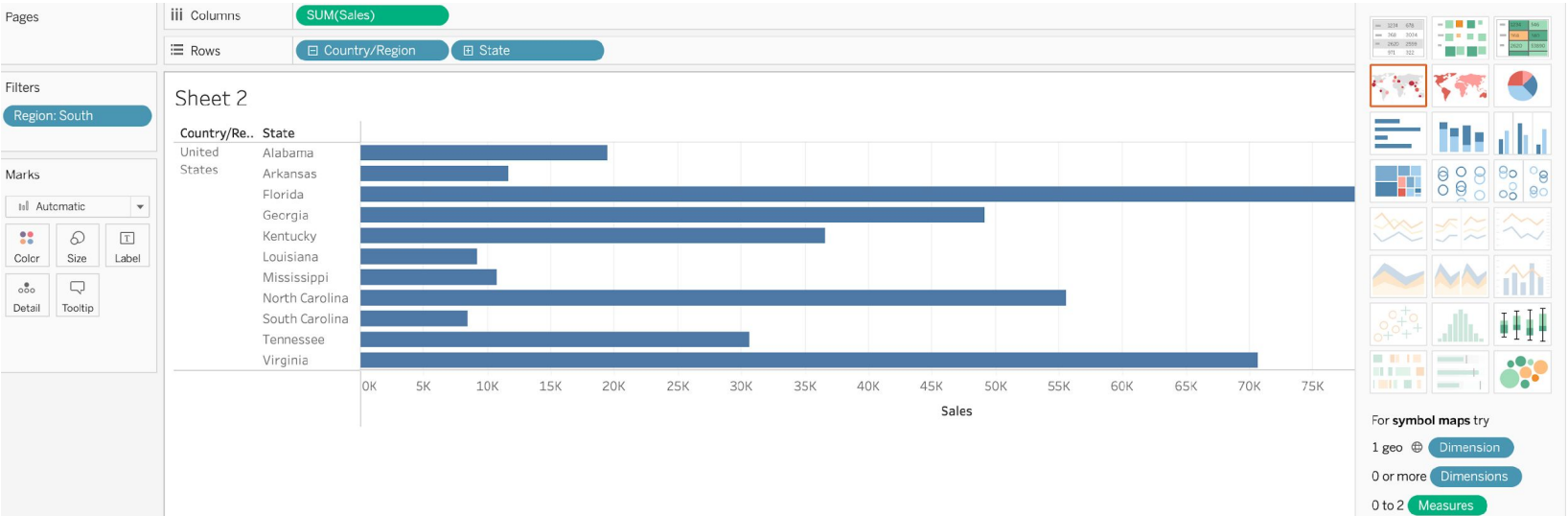
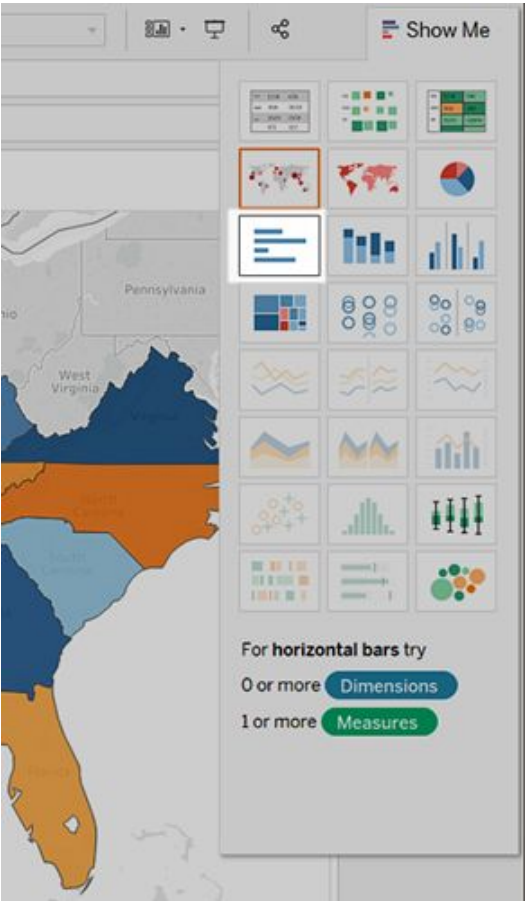
Drag the Sales measure to Color on the Marks card.



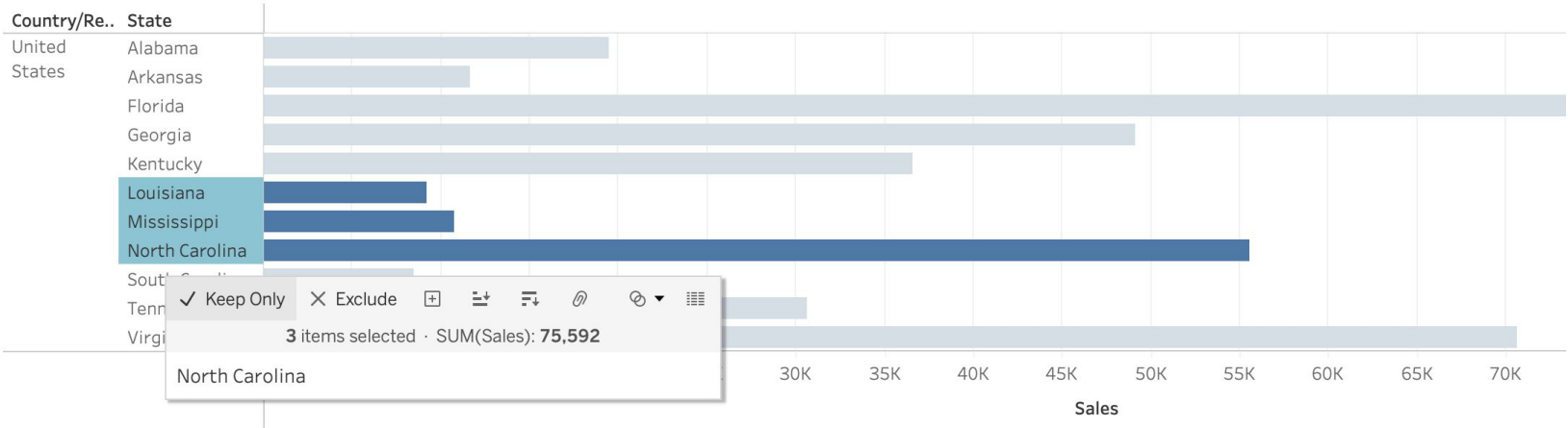
# Solution

Note: At any time, you can click Show Me again to collapse it.

You now have a bar chart again – convert from map view



Sheet 2



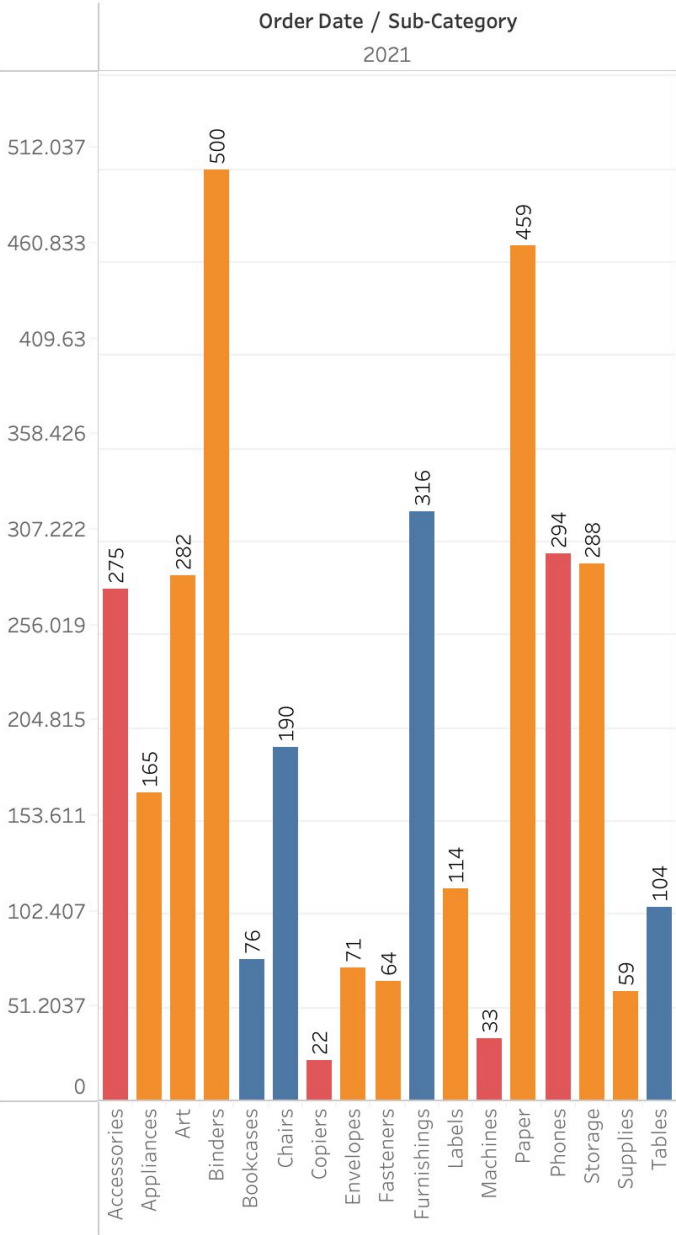
# Solution

Click the New dashboard button.

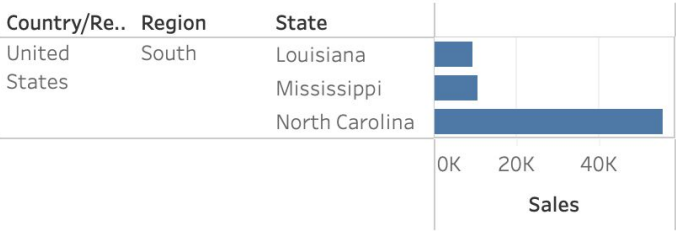
In the Dashboard pane on the left, you'll see the sheets that you created.

Drag sheets you created into the empty dashboard

Sheet 1



Sheet 2



Sub-Category

- ☒ (All)
- ☒ Accessories
- ☒ Appliances
- ☒ Art
- ☒ Binders
- ☒ Bookcases
- ☒ Chairs
- ☒ Copiers
- ☒ Envelopes
- ☒ Fasteners
- ☒ Furnishings
- ☒ Labels
- ☒ Machines
- ☒ Paper
- ☒ Phones
- ☒ Storage
- ☒ Supplies
- ☒ Tables

Year of Order Date

- ☐ (All)
- ☐ 2018
- ☐ 2019
- ☐ 2020
- ☒ 2021

Category

- ☒ Furniture
- ☒ Office Supplies
- ☒ Technology

# References - Tableau Training

<https://www.youtube.com/watch?v=jEgVto5QME8>

<https://help.tableau.com/current/guides/get-started-tutorial/en-us/get-started-tutorial-home.htm>

Thank You

```
or object to mirror_mod.mirror_object == "MIRROR_X":
    mirror_mod.use_x = True
    mirror_mod.use_y = False
    mirror_mod.use_z = False
    operation == "MIRROR_Y":
    mirror_mod.use_x = False
    mirror_mod.use_y = True
    mirror_mod.use_z = False
    operation == "MIRROR_Z":
    mirror_mod.use_x = False
    mirror_mod.use_y = False
    mirror_mod.use_z = True

#selection at the end -add
mirror_ob.select= 1
modifier_ob.select=1
context.scene.objects.active = modifier_ob
print("Selected" + str(modifier_ob.name))
mirror_ob.select = 0
bpy.context.selected_objects[0].name].select

print("please select exactly one object")

-- OPERATOR CLASSES -----

bpy.types.Operator):
    X mirror to the selected object.mirror_mirror_x"
    mirror X"
```