

NAME – AMRITA VARIER

REGISTRATION NUMBER – 20BCE2354

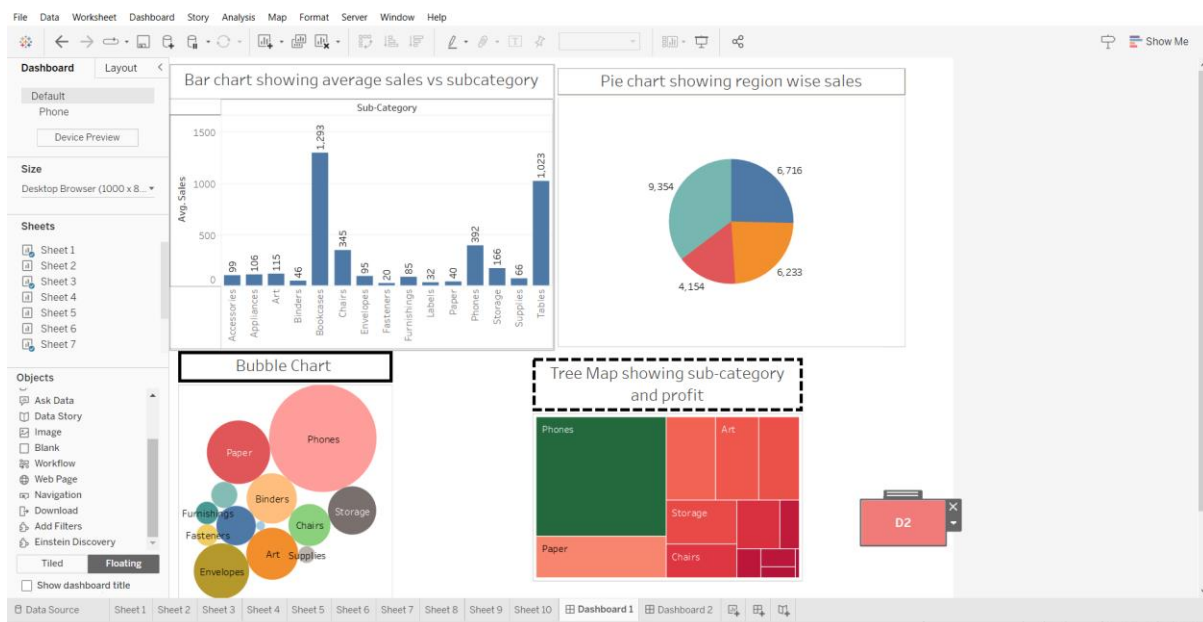
ASSIGNMENT -3 SMARTBRIDGE EXTERNSHIP PROGRAM

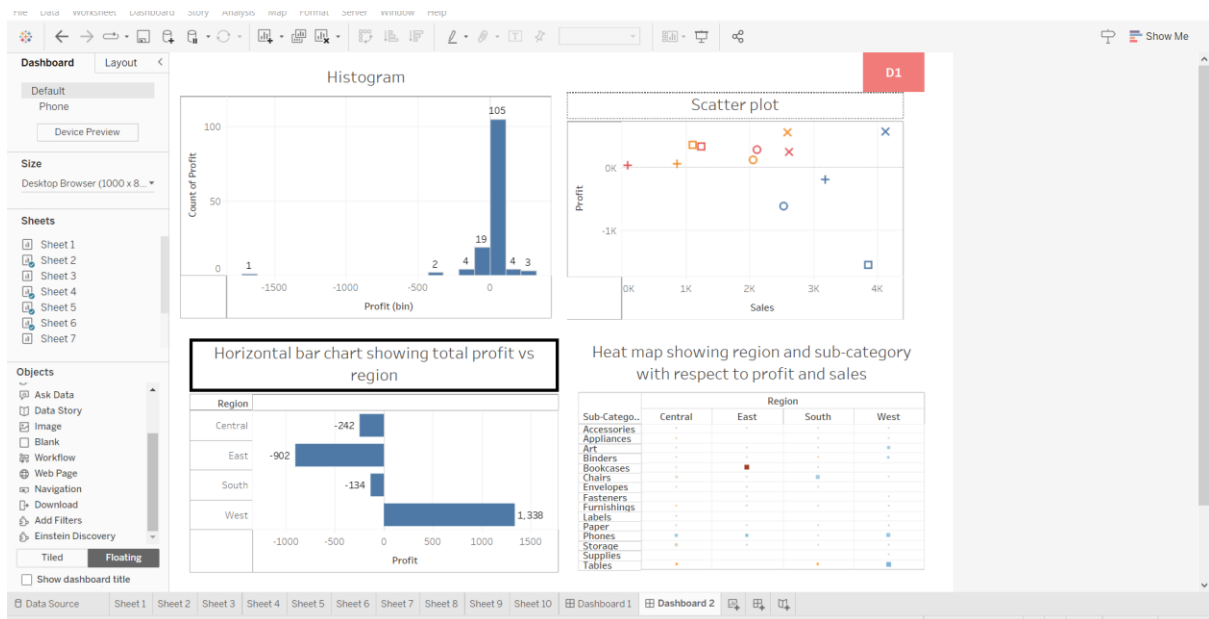
DATA ANALYTICS

Question 1) Create the following with whatever visualizations you have built in assignment-1 & 2(if you want you can also create new visualizations)

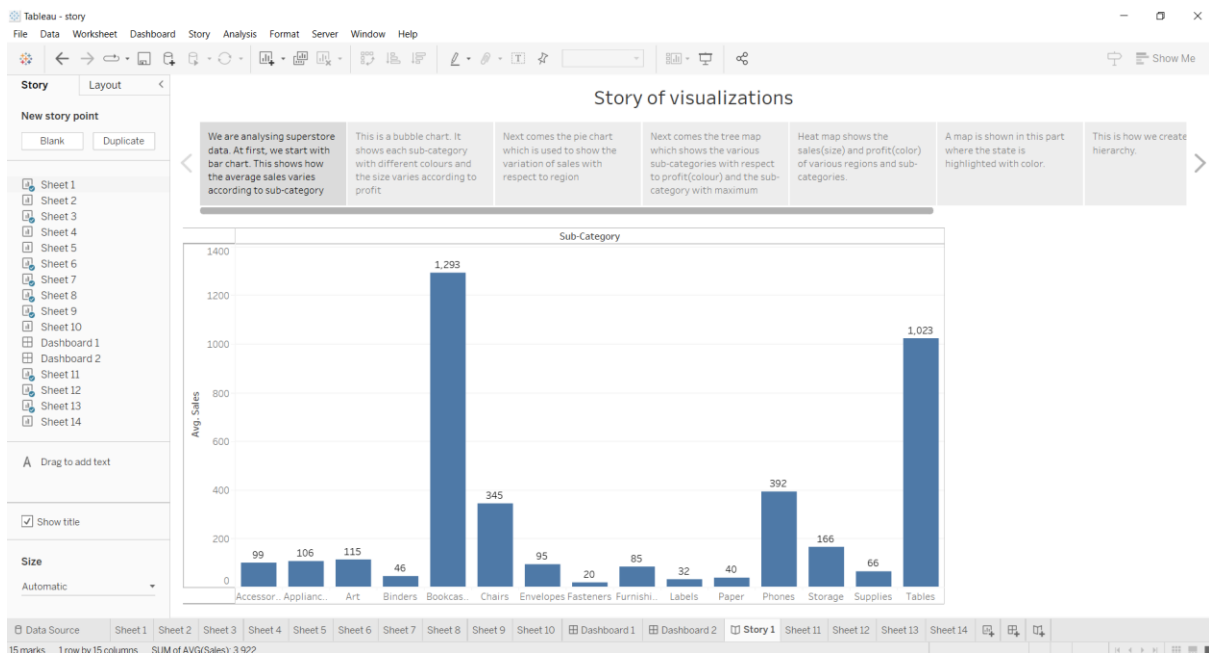
- Dashboard
- story

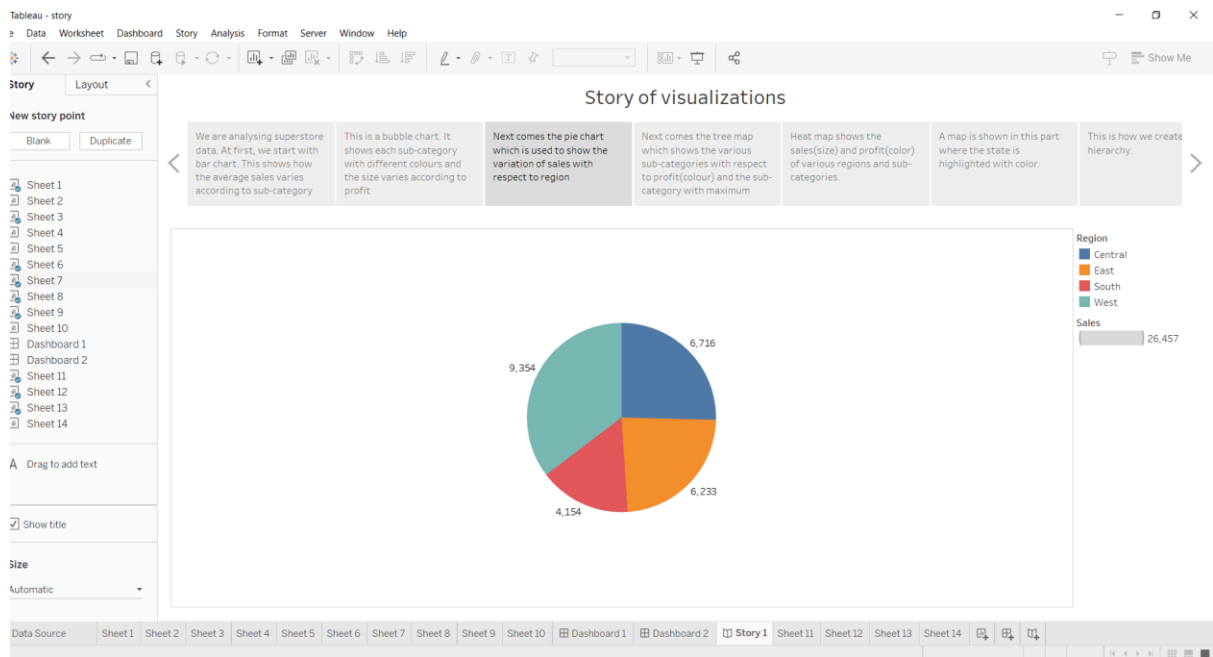
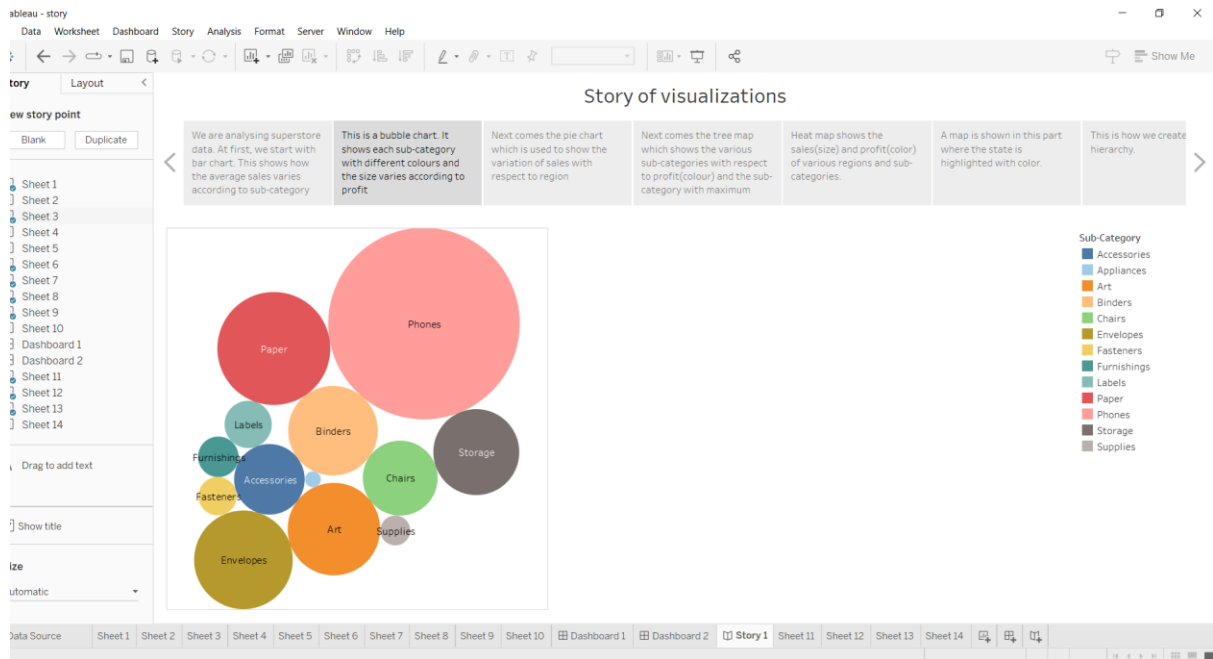
We use the following visualizations to make a dashboard. We see that we can navigate between dashboard 1 and dashboard 2 also.

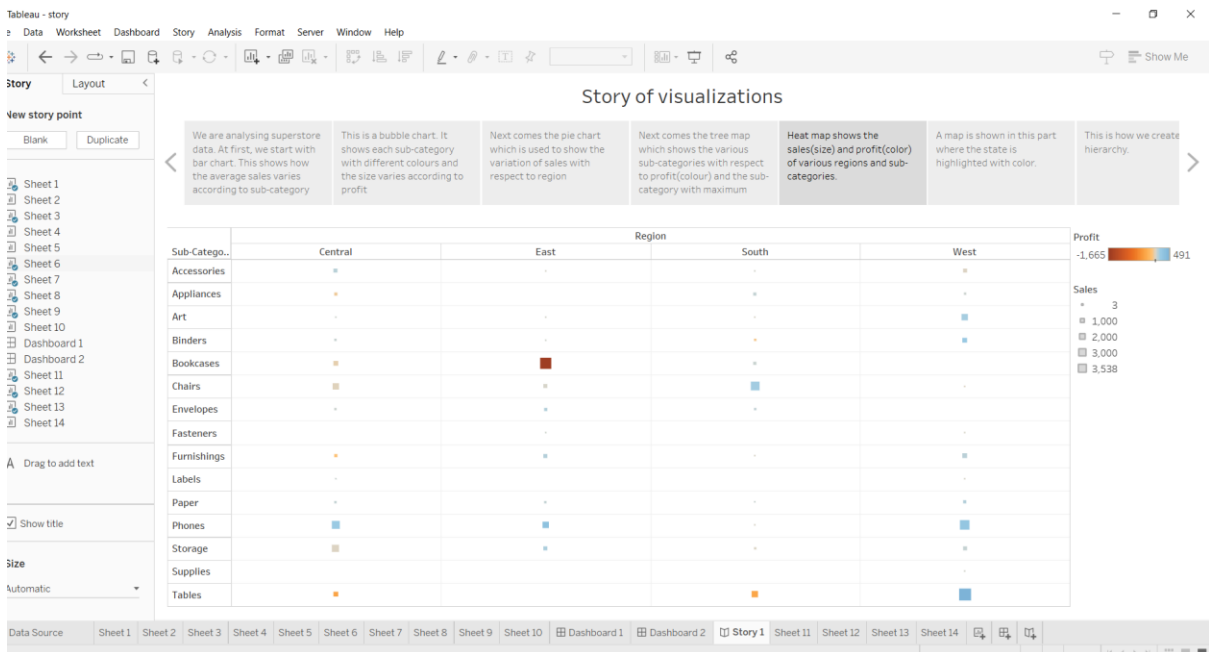
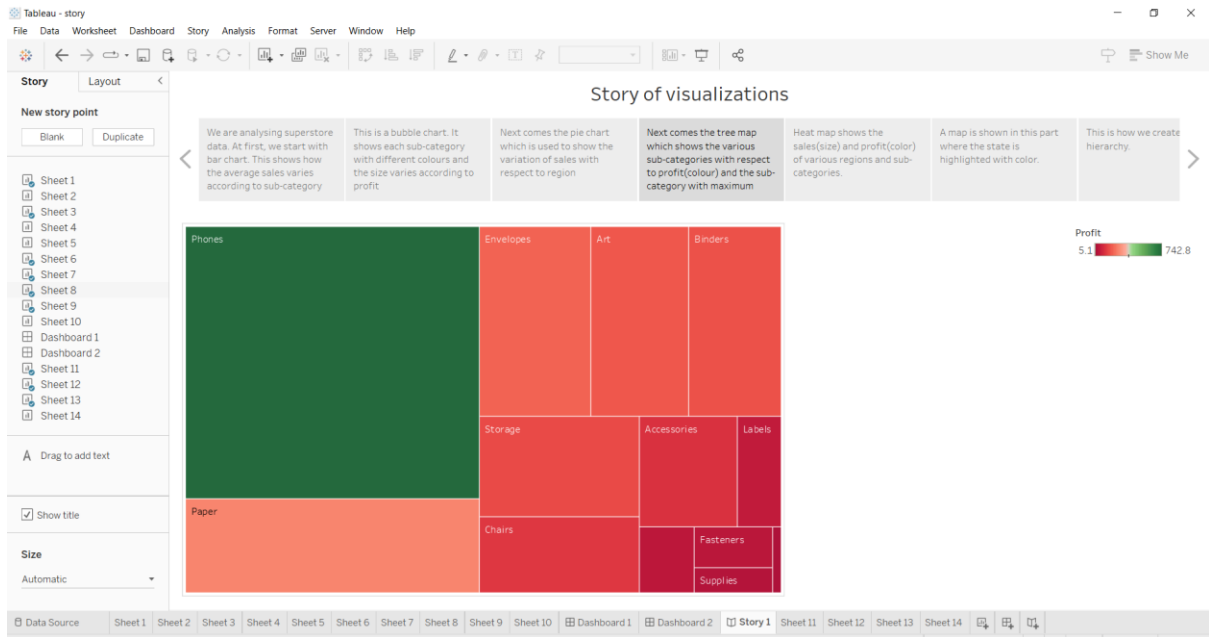


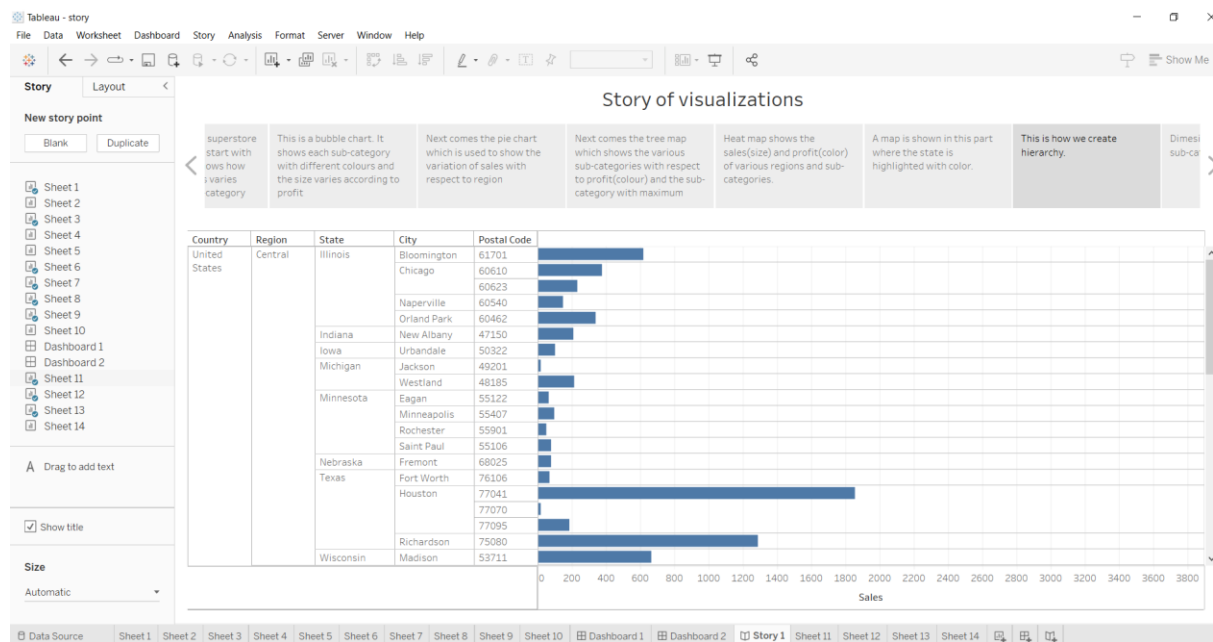
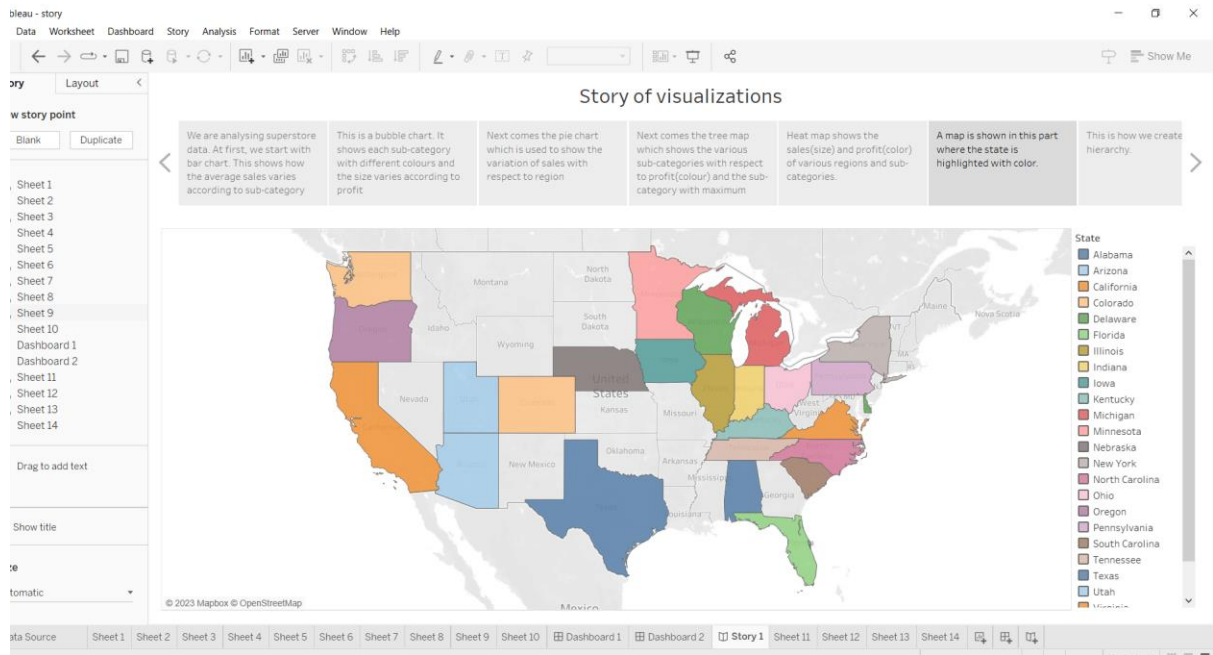


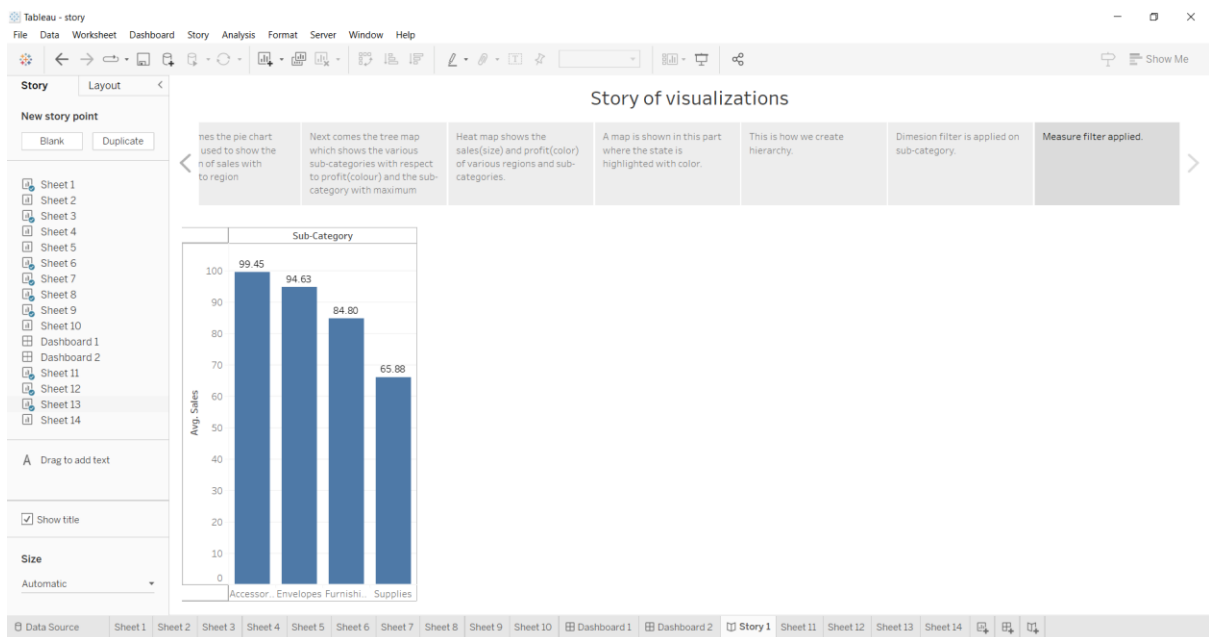
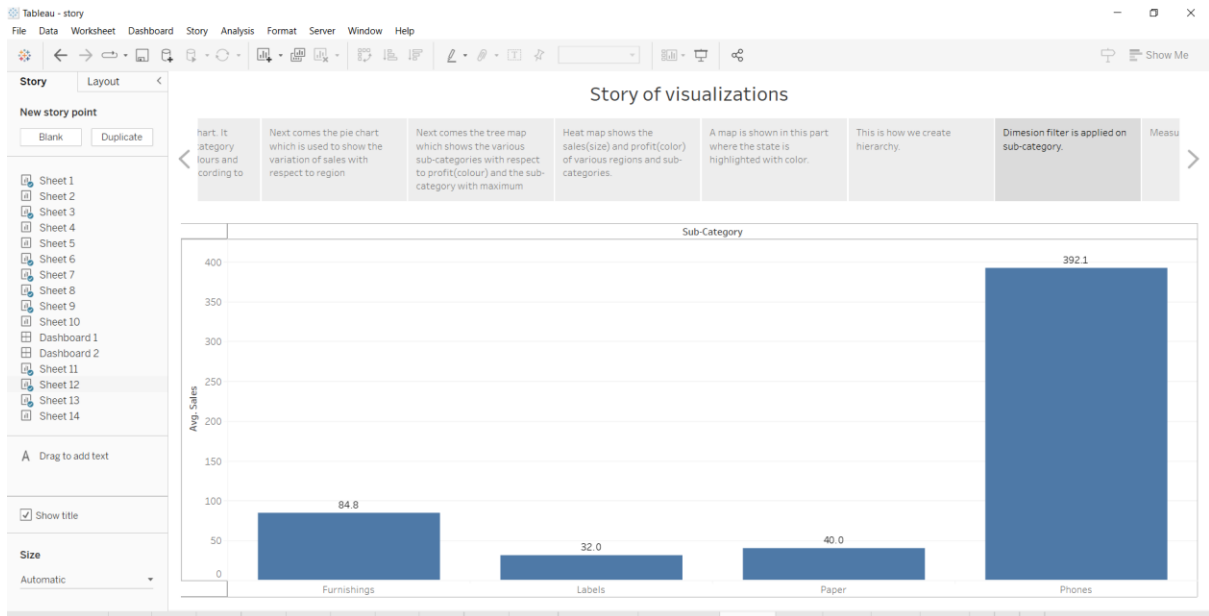
Story is created as follows:







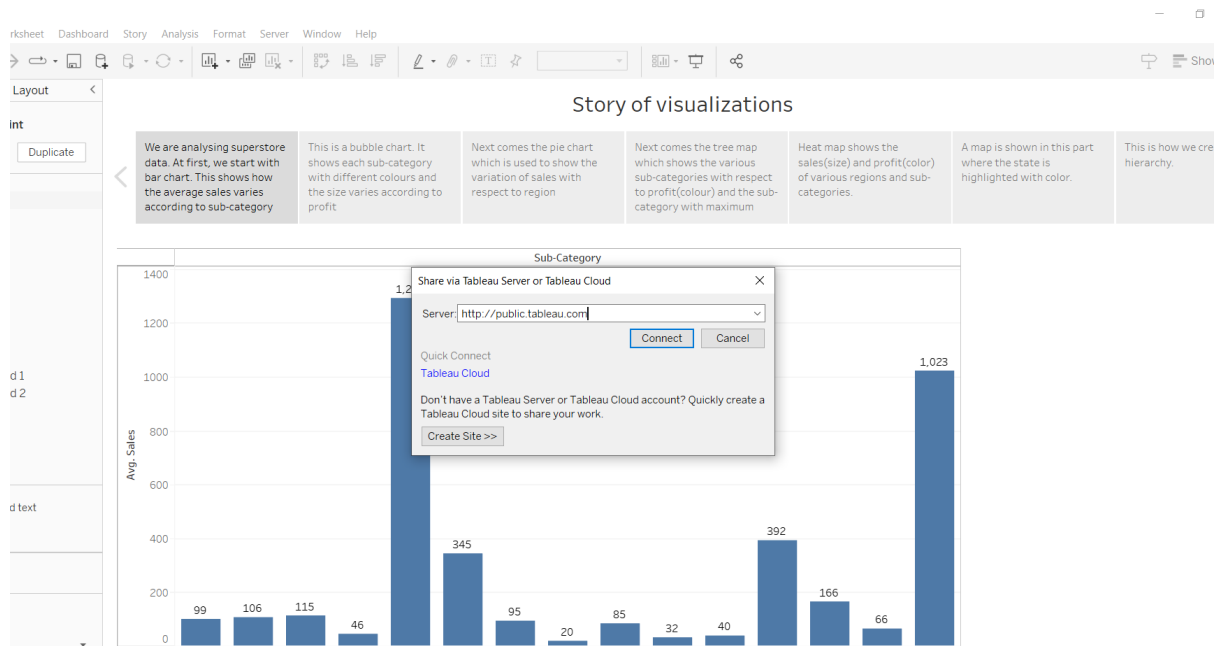




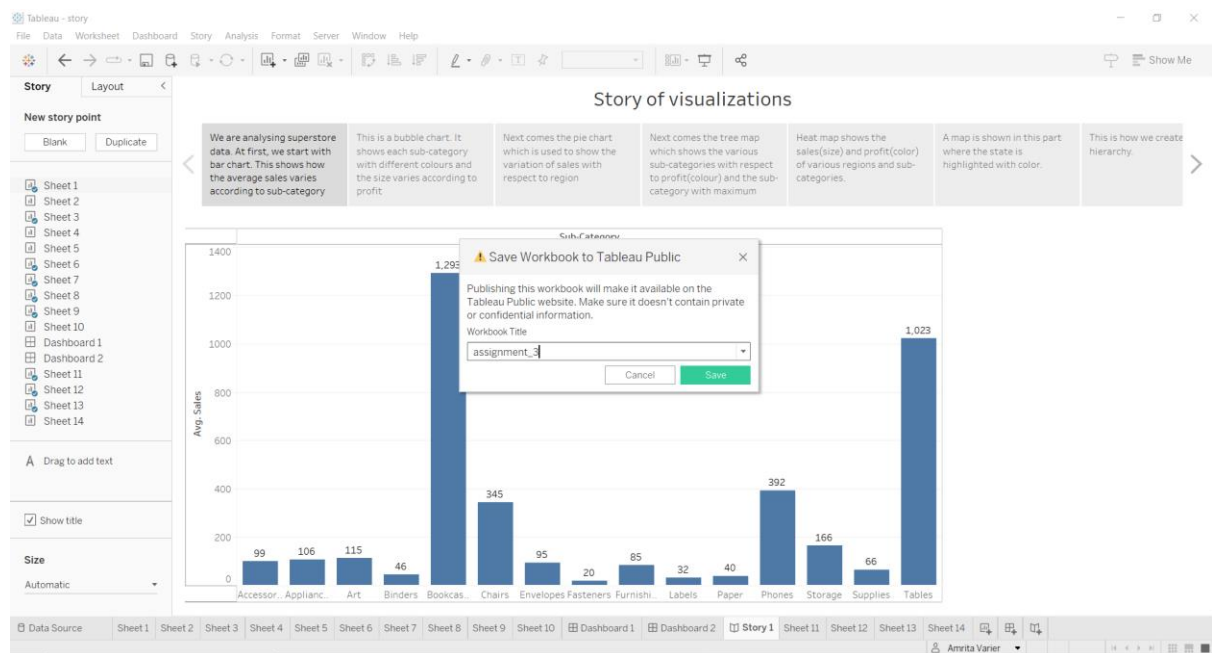
Question 2) Publish the dashboard & story on to tableau public server.

The share icon is clicked and we connect to tableau public server as follows:

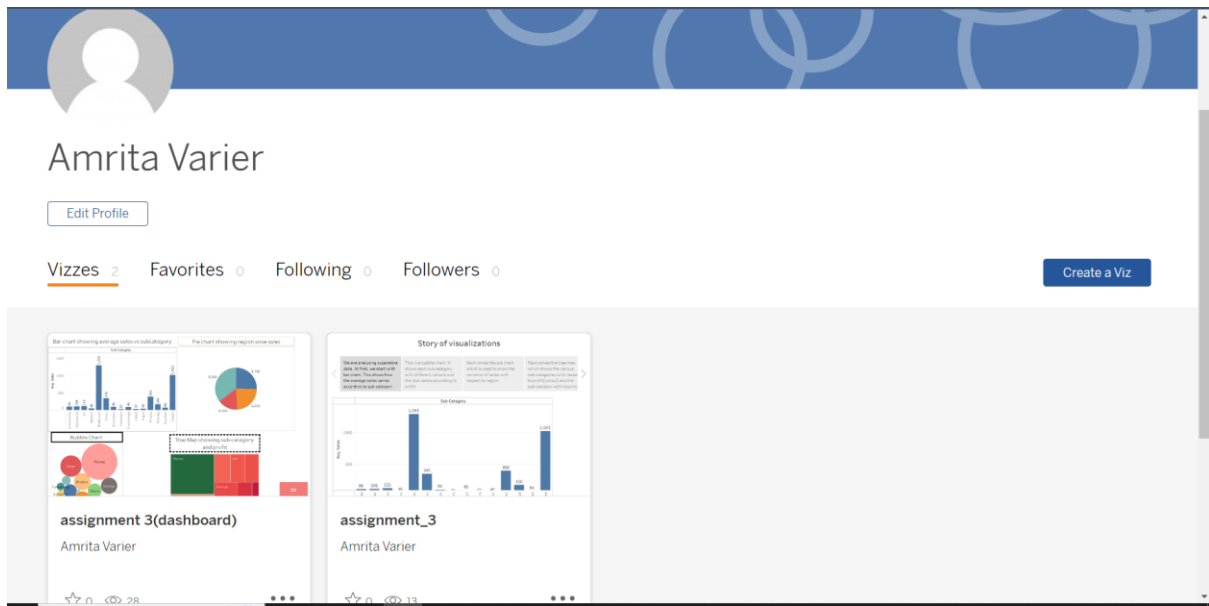
Login is required into tableau public for the same.



Save the workbook.



Now, we check if changes have been saved in tableau public.



We see both story and dashboard have been updated on tableau public.

The links are as follows:

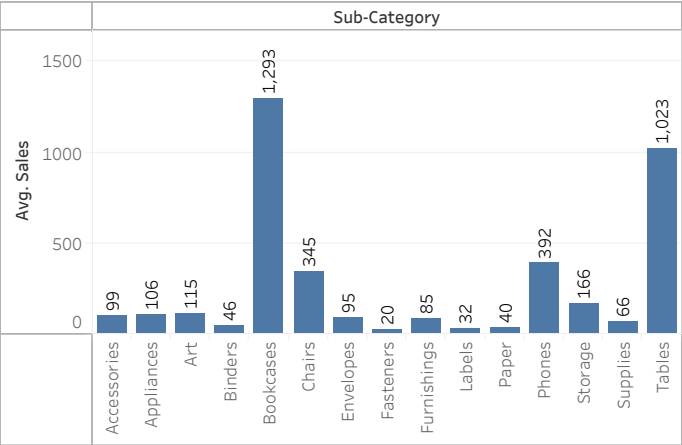
Dashboard-

https://public.tableau.com/views/assignment3dashboard_16859896583380/Dashboard1?:language=en-US&:display_count=n&:origin=viz_share_link

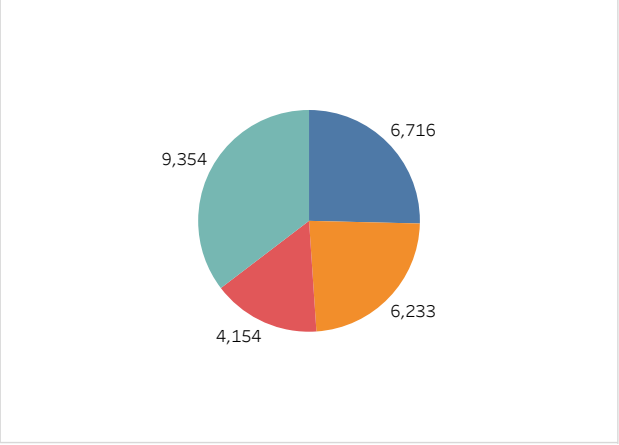
Story-

https://public.tableau.com/views/assignment_3_16859895122250/Story1?:language=en-US&:display_count=n&:origin=viz_share_link

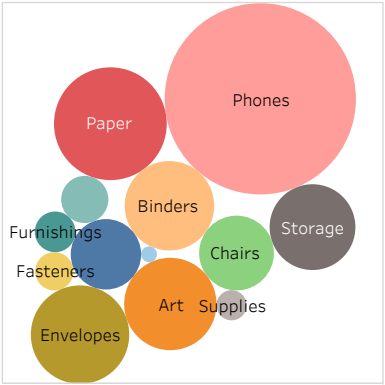
Bar chart showing average sales vs subcategory



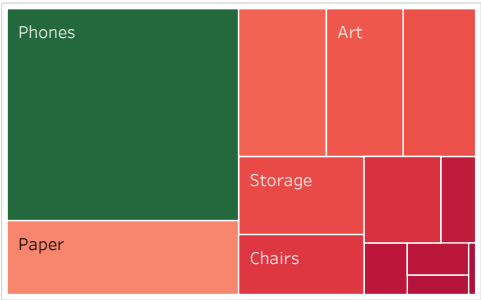
Pie chart showing region wise sales



Bubble Chart

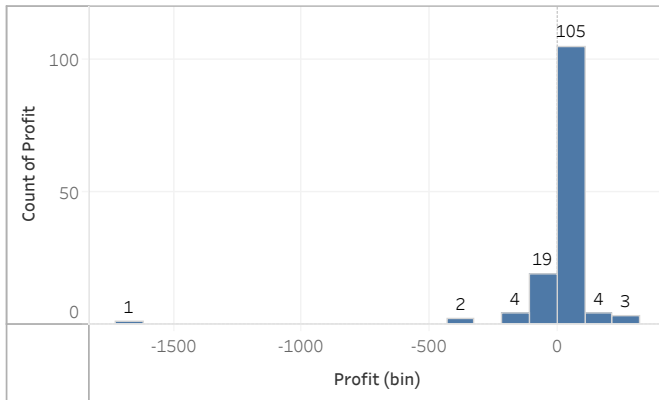


Tree Map showing sub-category and profit

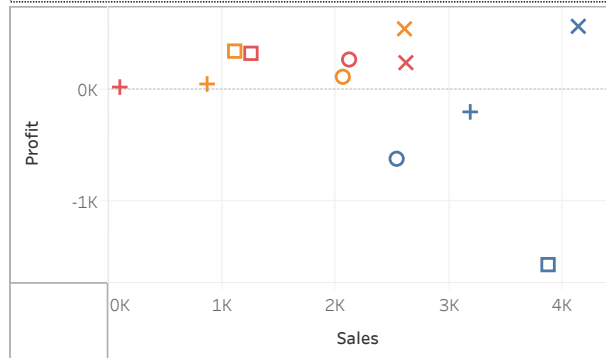


D2

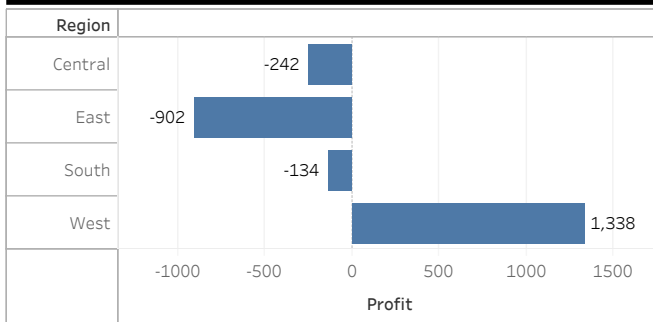
Histogram



Scatter plot



Horizontal bar chart showing total profit vs region

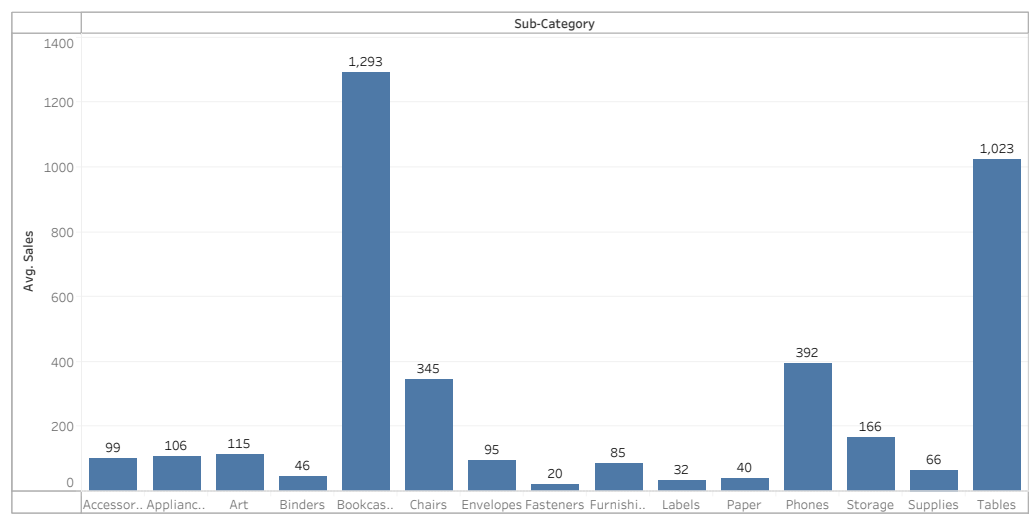


Heat map showing region and sub-category with respect to profit and sales

Sub-Catego..	Region			
	Central	East	South	West
Accessories	•	•	•	•
Appliances	•		•	•
Art	•			•
Binders	•		•	•
Bookcases	•	•		
Chairs	•	•	•	•
Envelopes	•	•	•	
Fasteners		•		•
Furnishings	•	•	•	•
Labels	•			•
Paper	•	•	•	•
Phones	•	•		•
Storage	•	•	•	•
Supplies				•
Tables	•		•	•

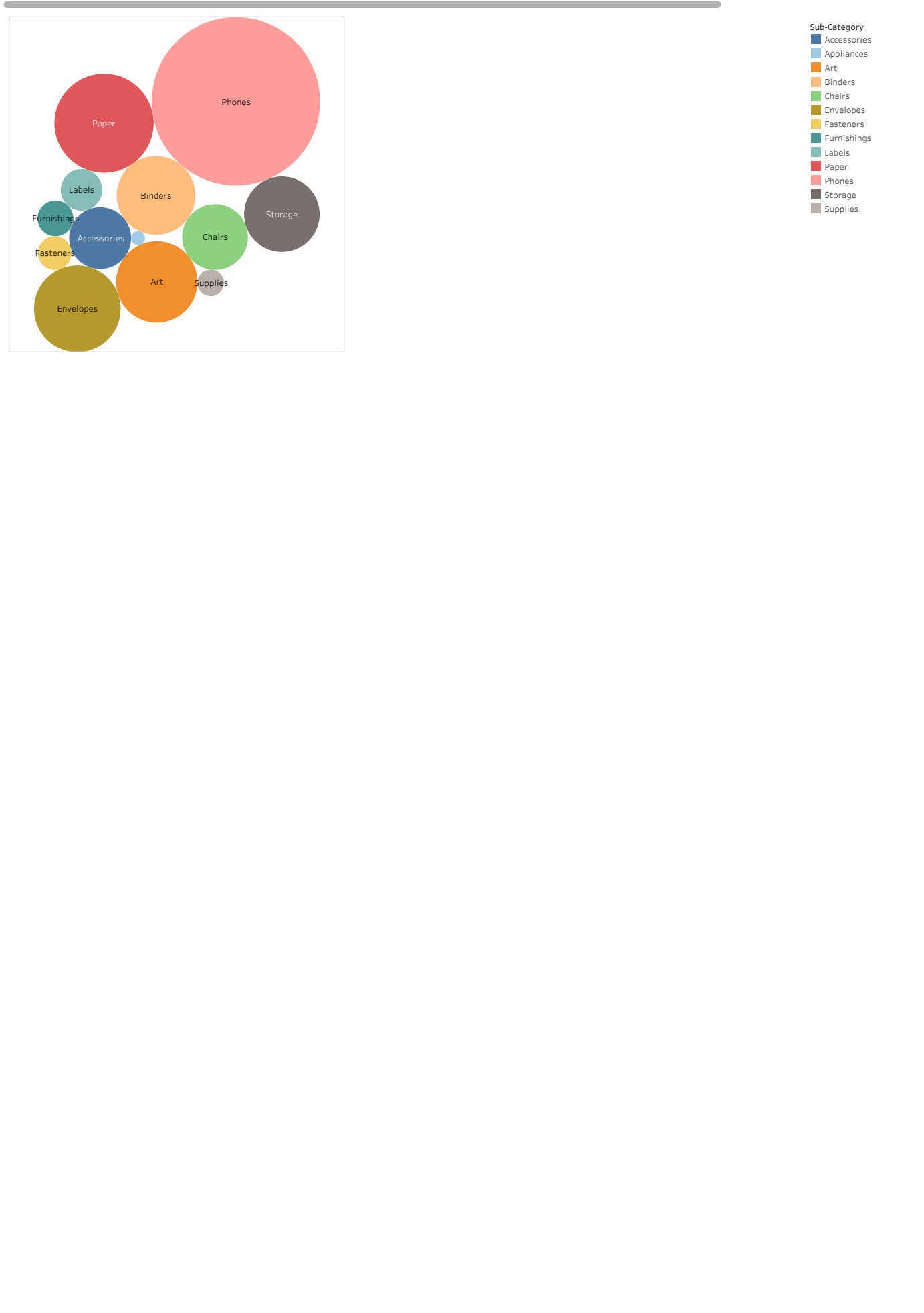
Story of visualizations

We are analysing superstore data. At first, we start with bar chart. This shows how the average sales varies according to sub-category	This is a bubble chart. It shows each sub-category with different colours and the size varies according to profit	Next comes the pie chart which is used to show the variation of sales with respect to region	Next comes the tree map which shows the various sub-categories with respect to profit(colour) and the sub-category with maximu..	Heat map shows the sales(size) and profit(color) of various regions and sub-categories.	A map is shown in this part where the state is highlighted with color.	This is how we create hierarchy.
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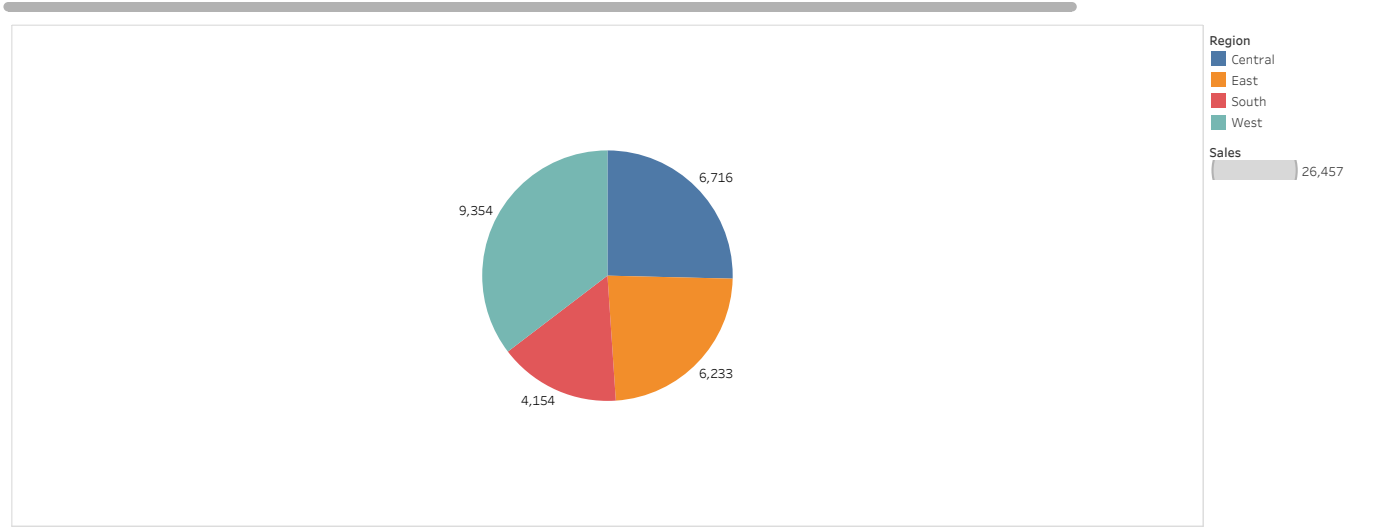
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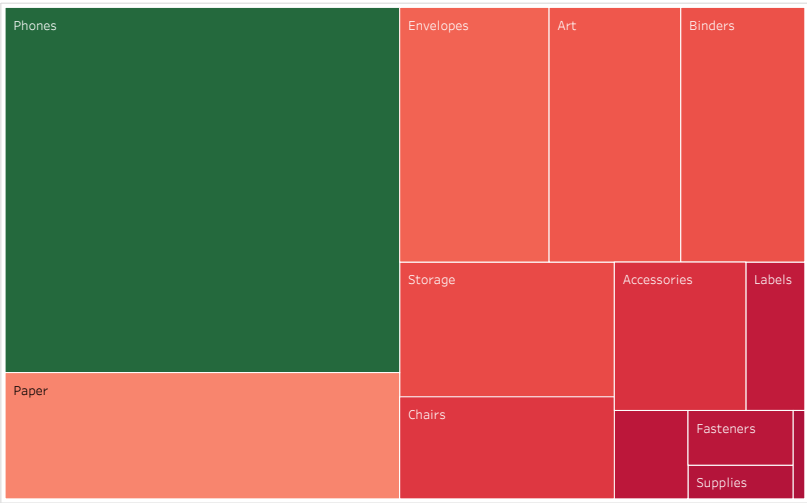
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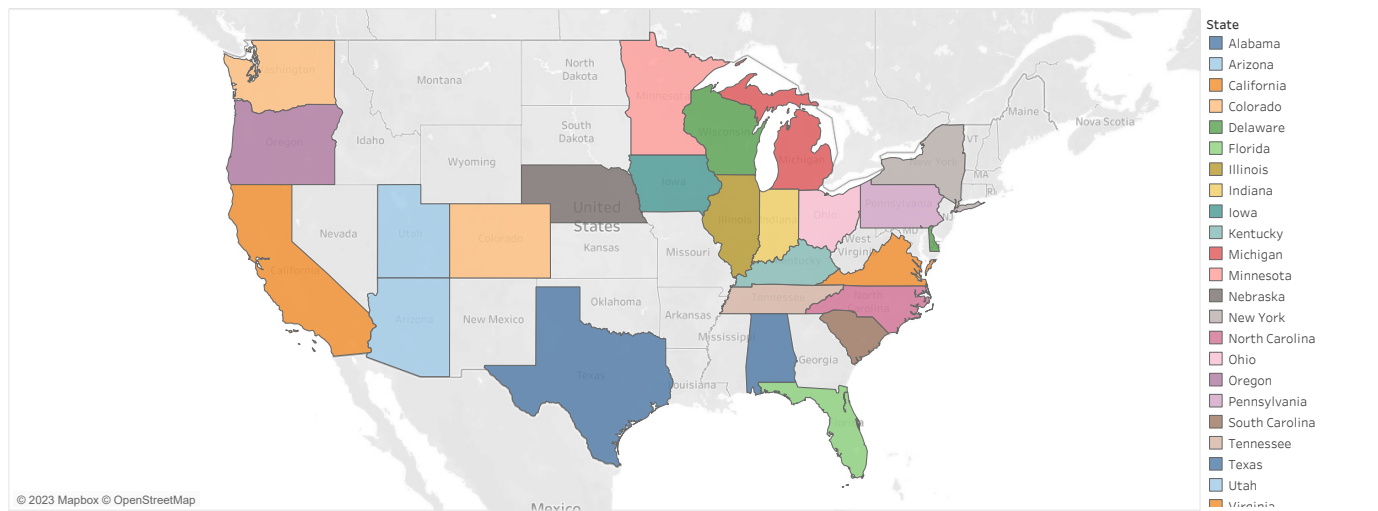
This is how we create hierarchy.

Dimesion filter is applied on sub-category.



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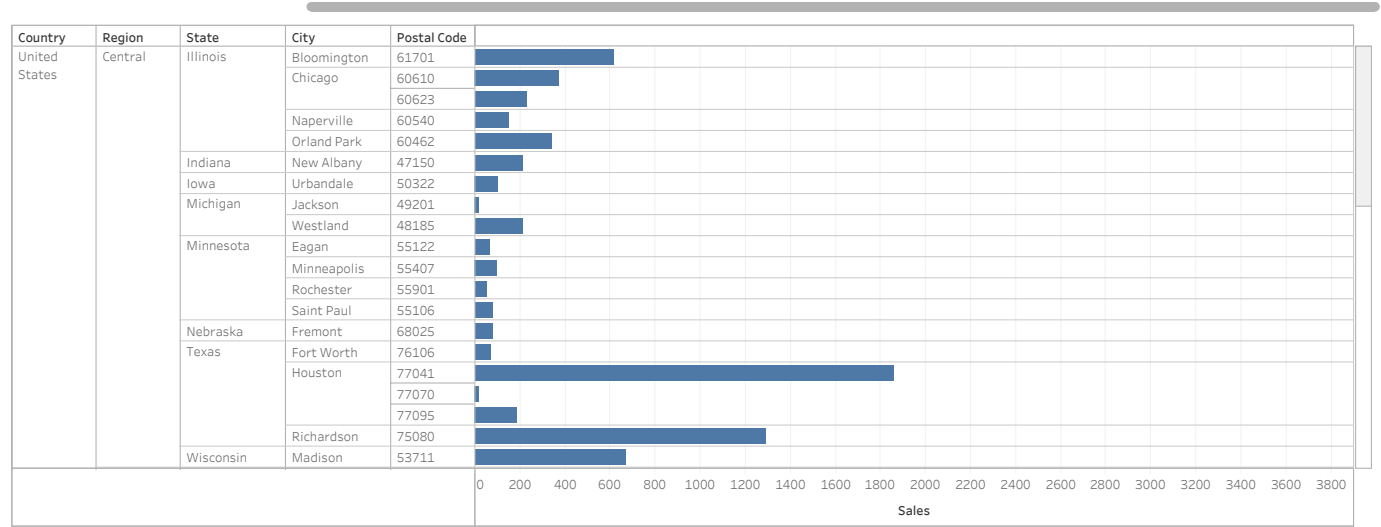
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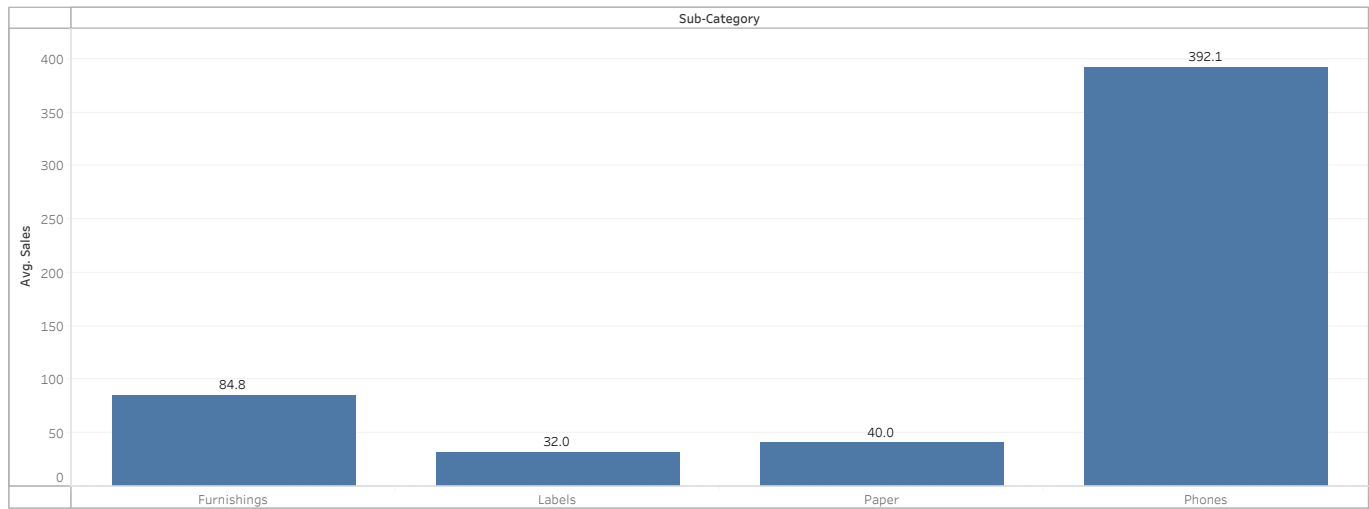
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