

## Assignment-2

- 1) Create any 7 data visualizations/charts and perform the following
- 2) Apply dimension filter, context and measure filter on any of the three visualizations
- 3) Perform the following data manipulations on your dataset
  - create a Hierarchy
  - create a set
  - create a group

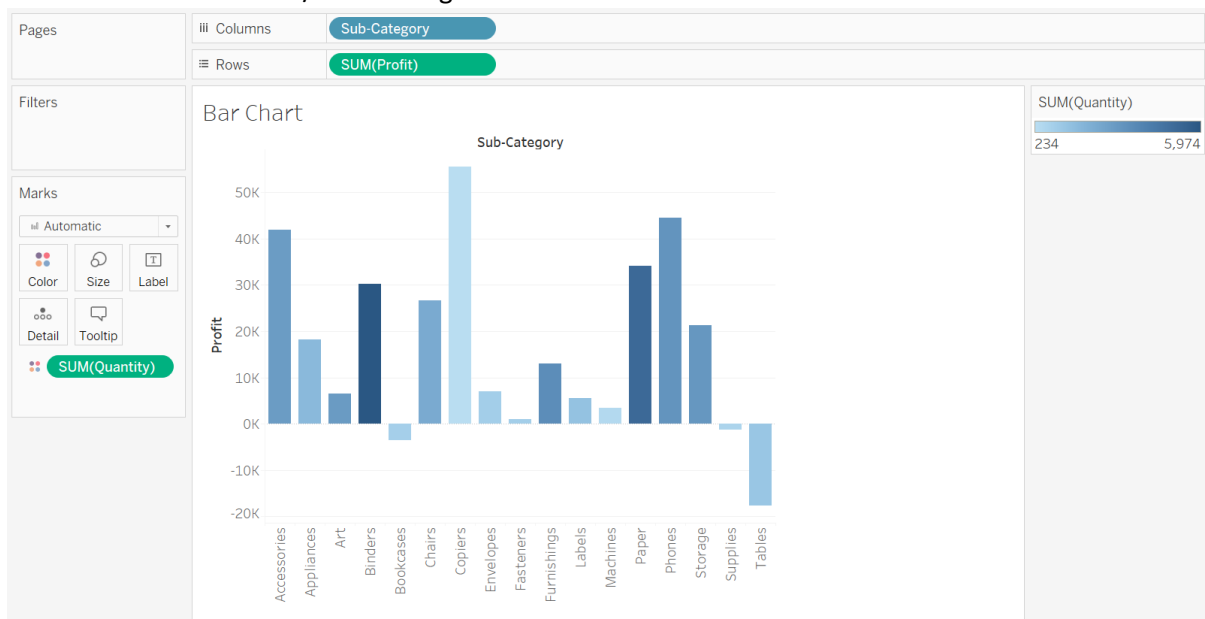
**Note : Use 'superstore-sales' dataset**

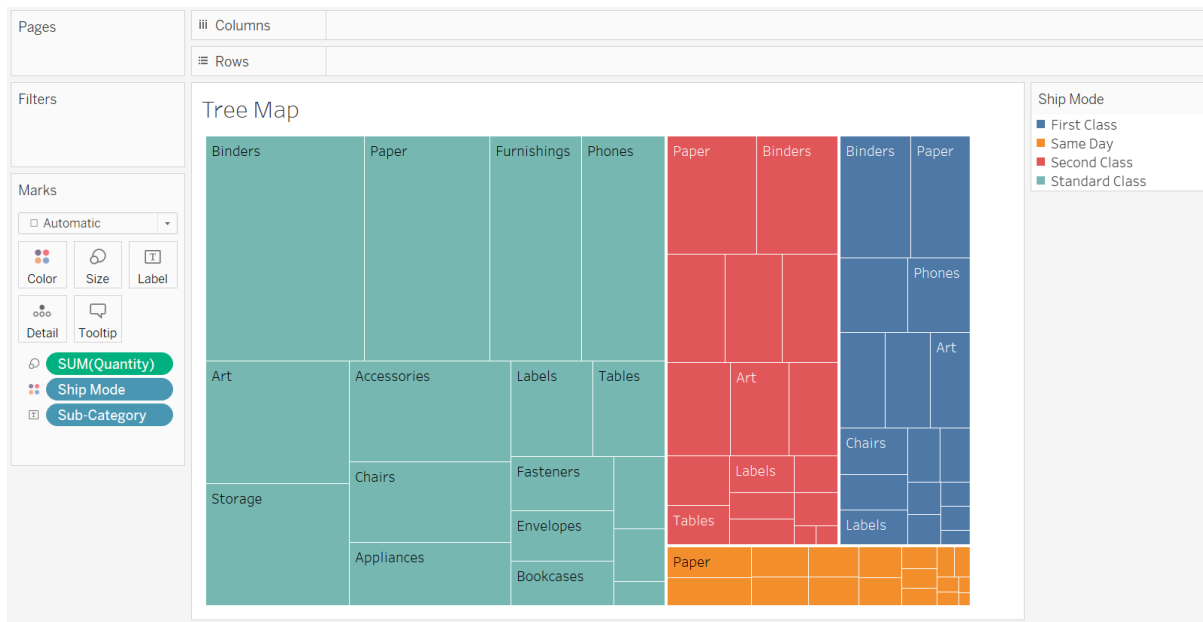
NAME: SHIVAM KUMAR

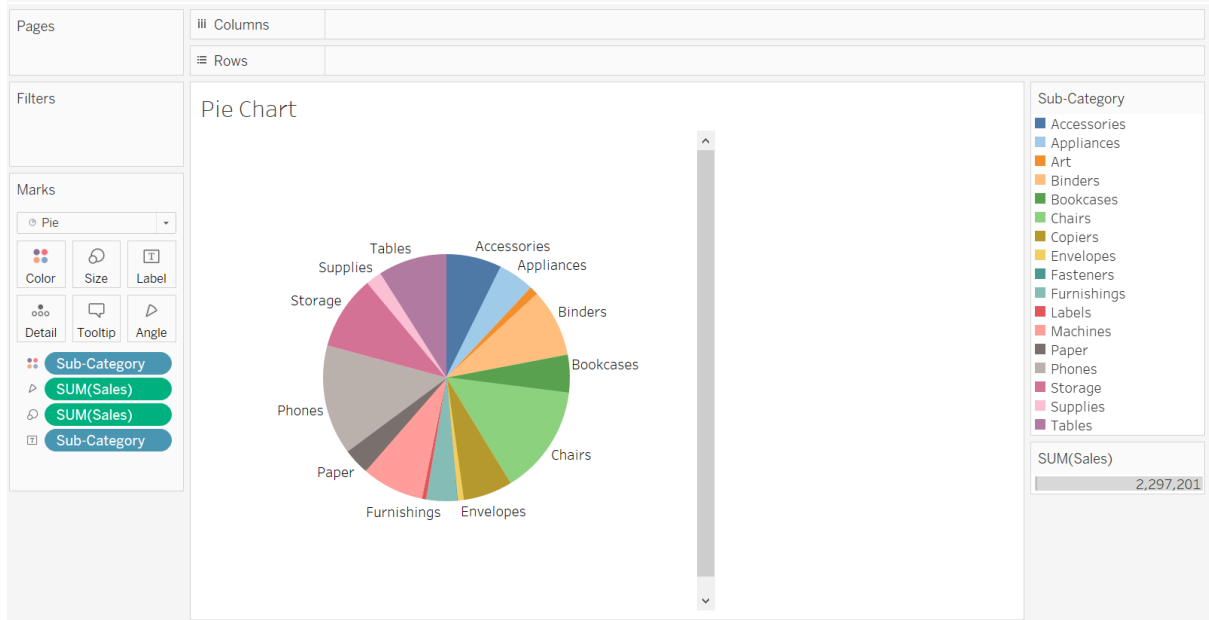
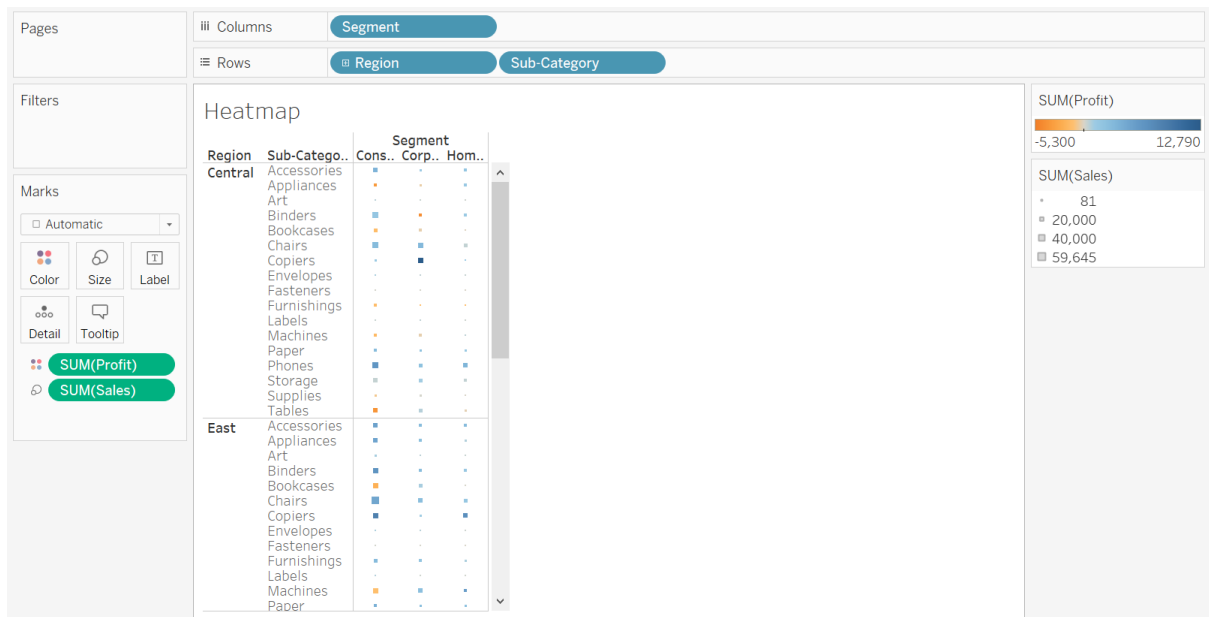
REG. NO: 20BBS0040

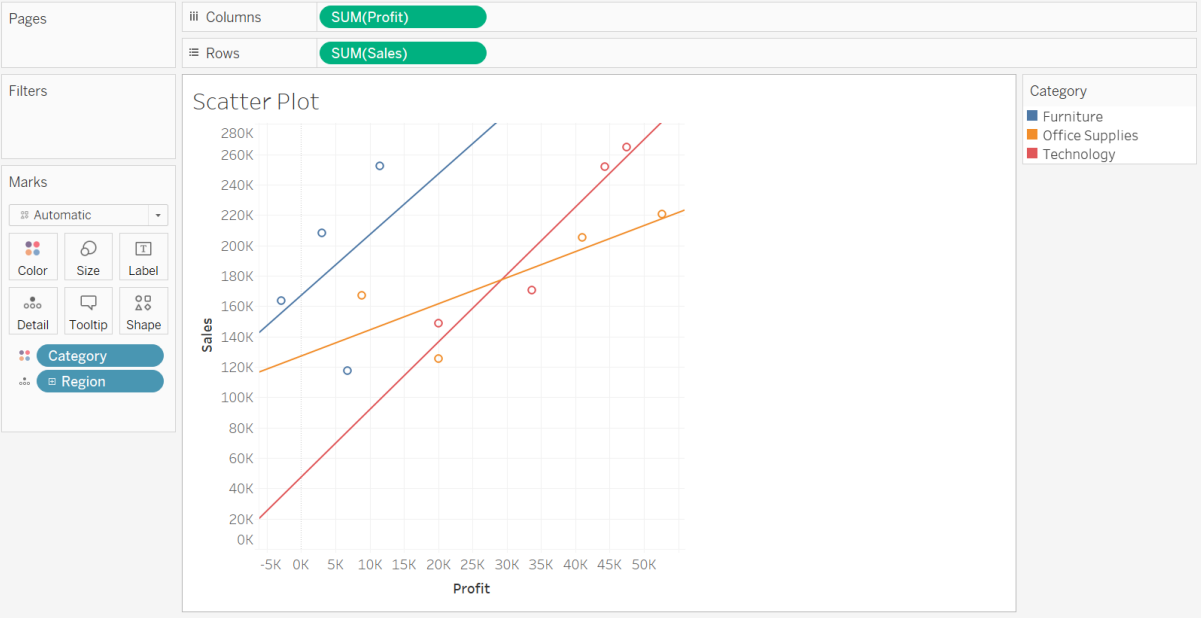
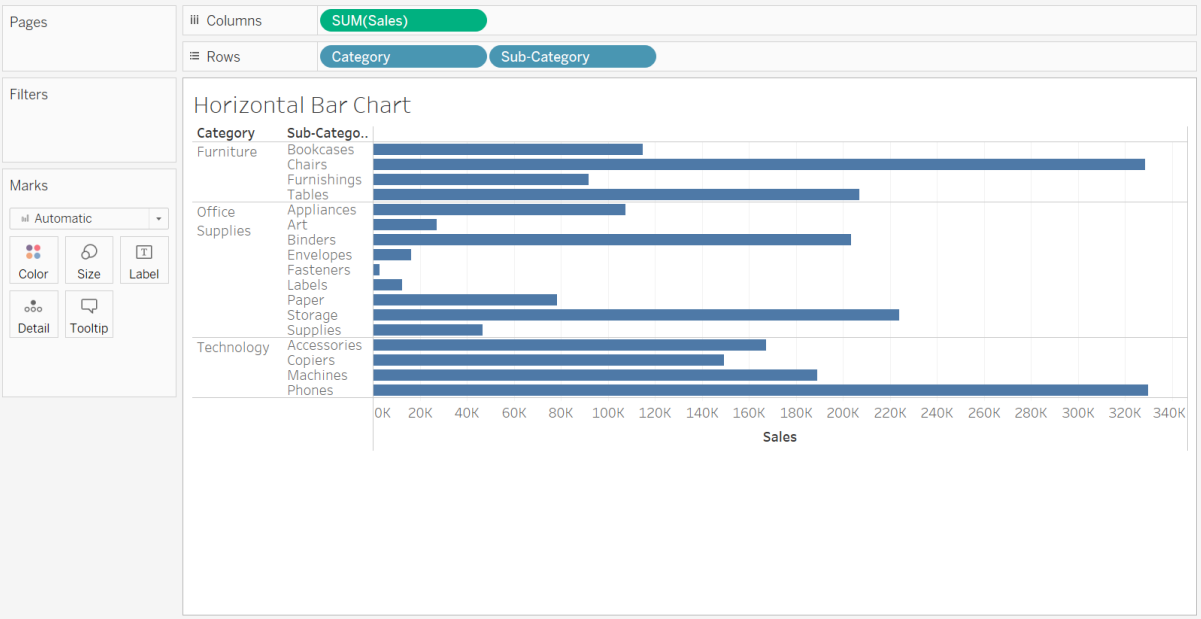
## DATA ANALYTICS WEEK-II ASSIGNMENT

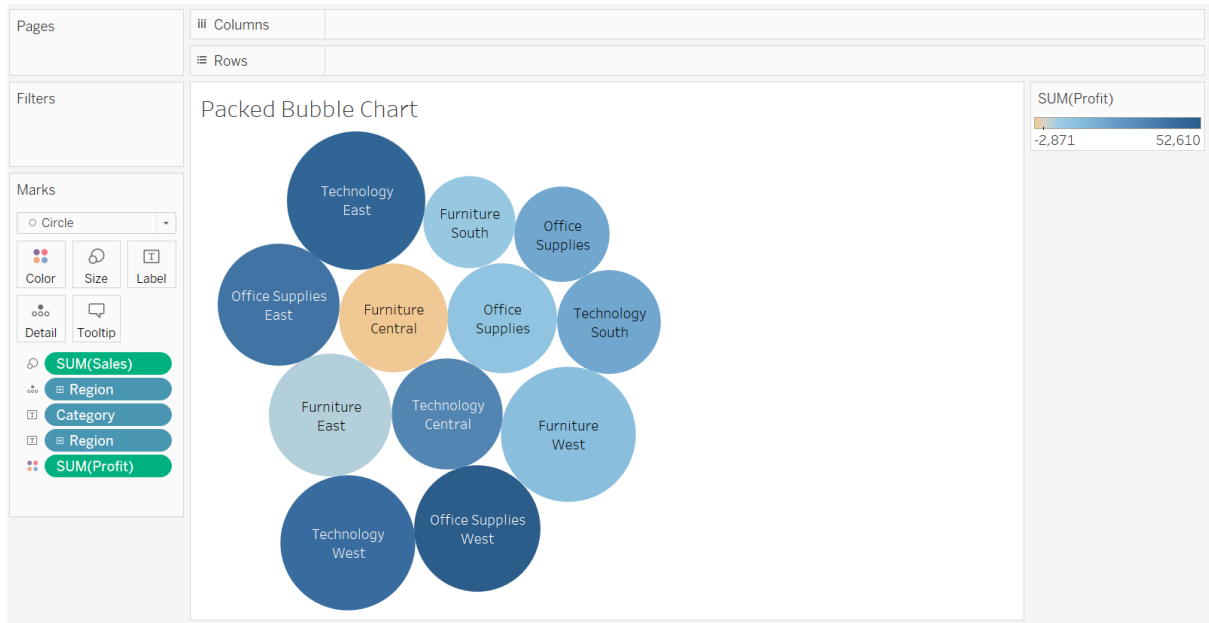
The 7 Data Visualizations/charts are given as:



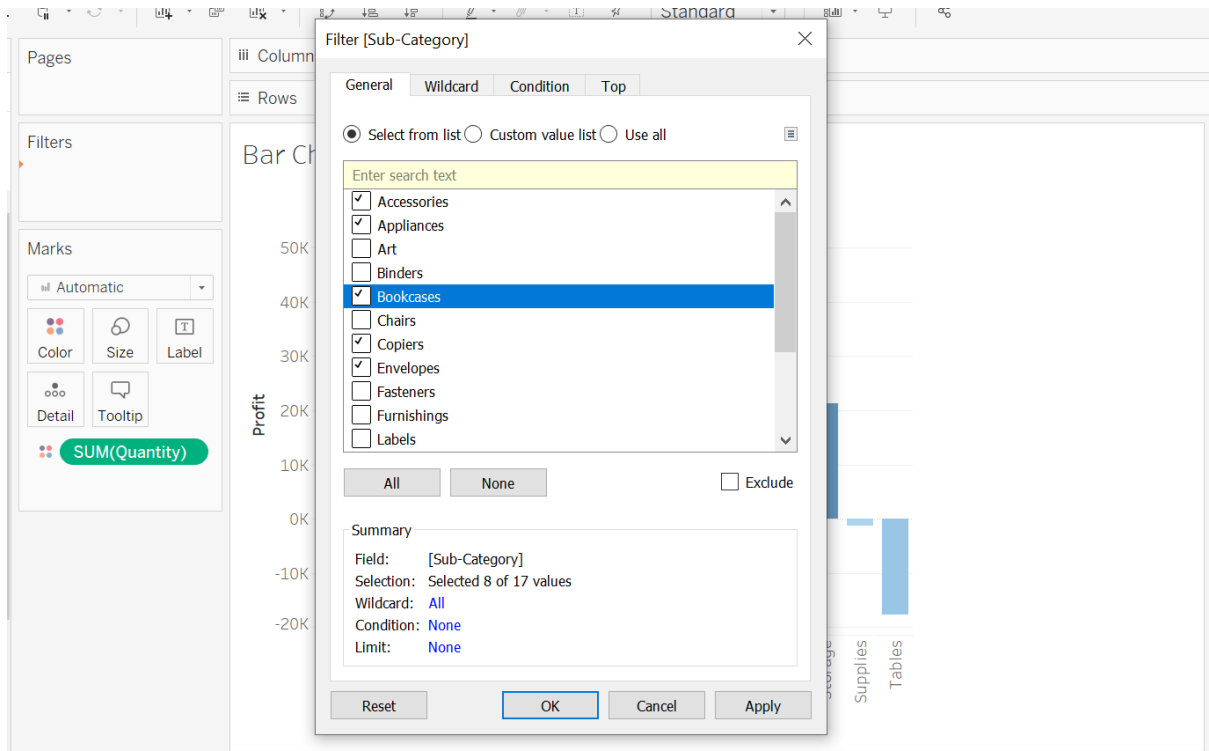


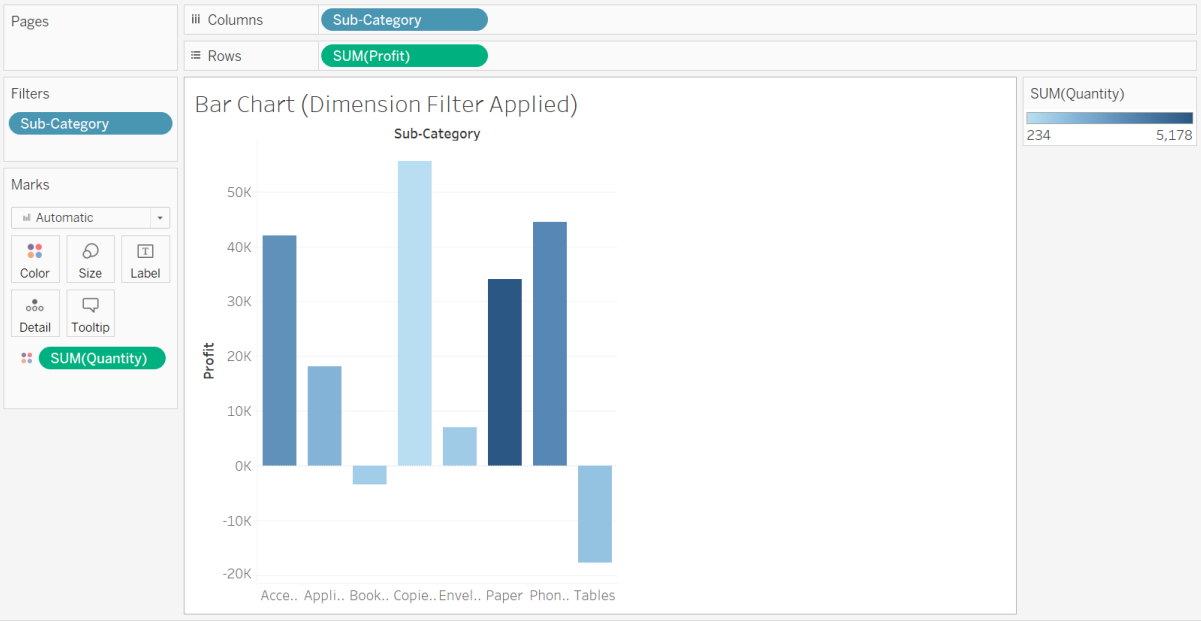




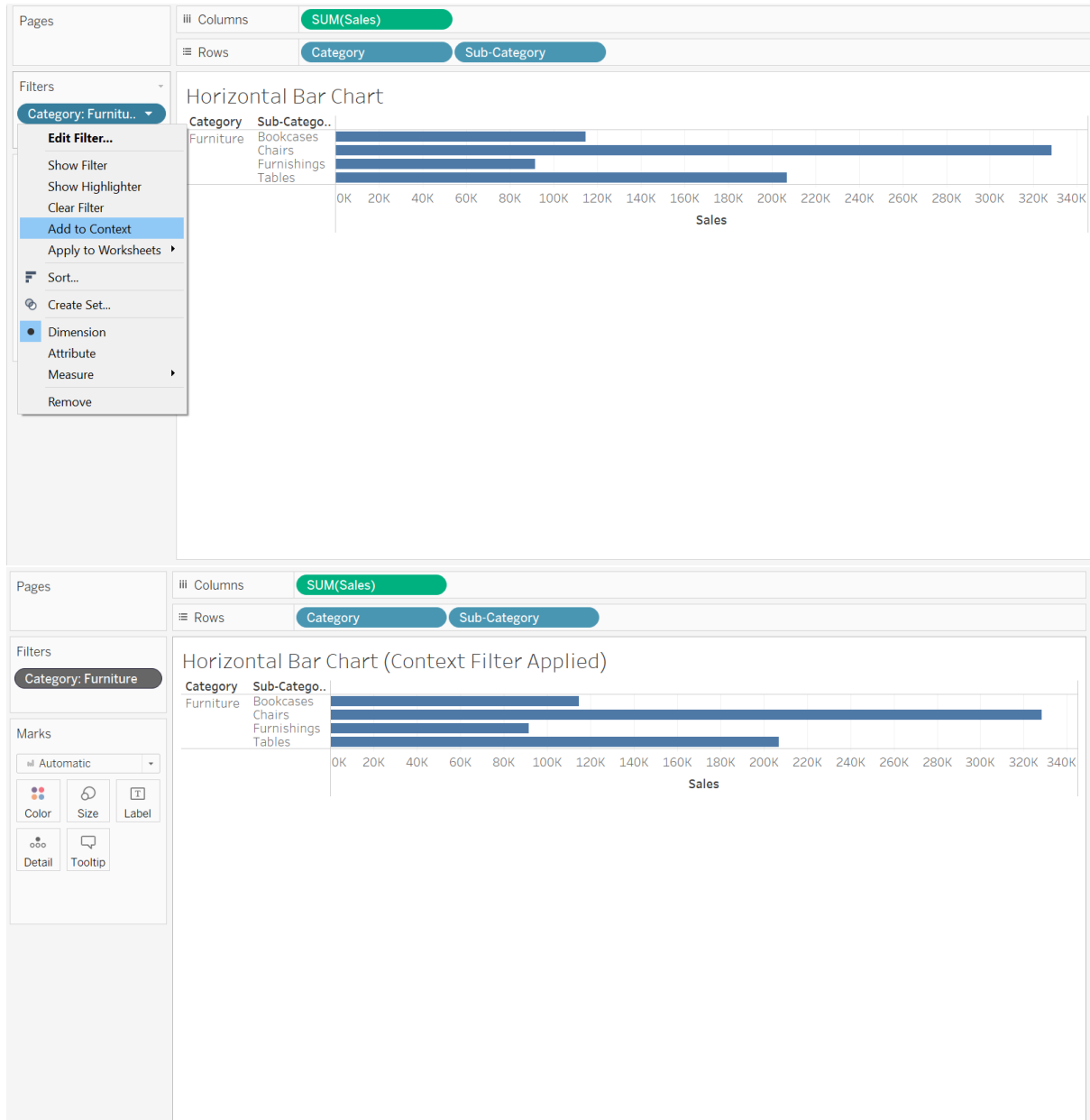


### Applying Dimension Filter for the Bar Chart:

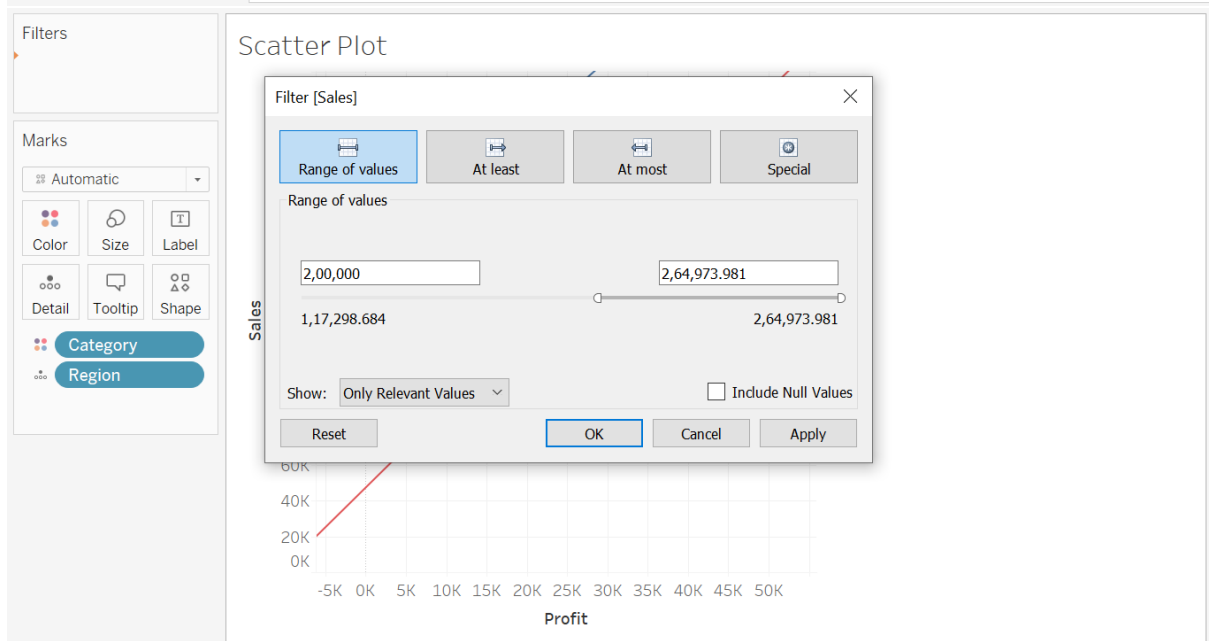
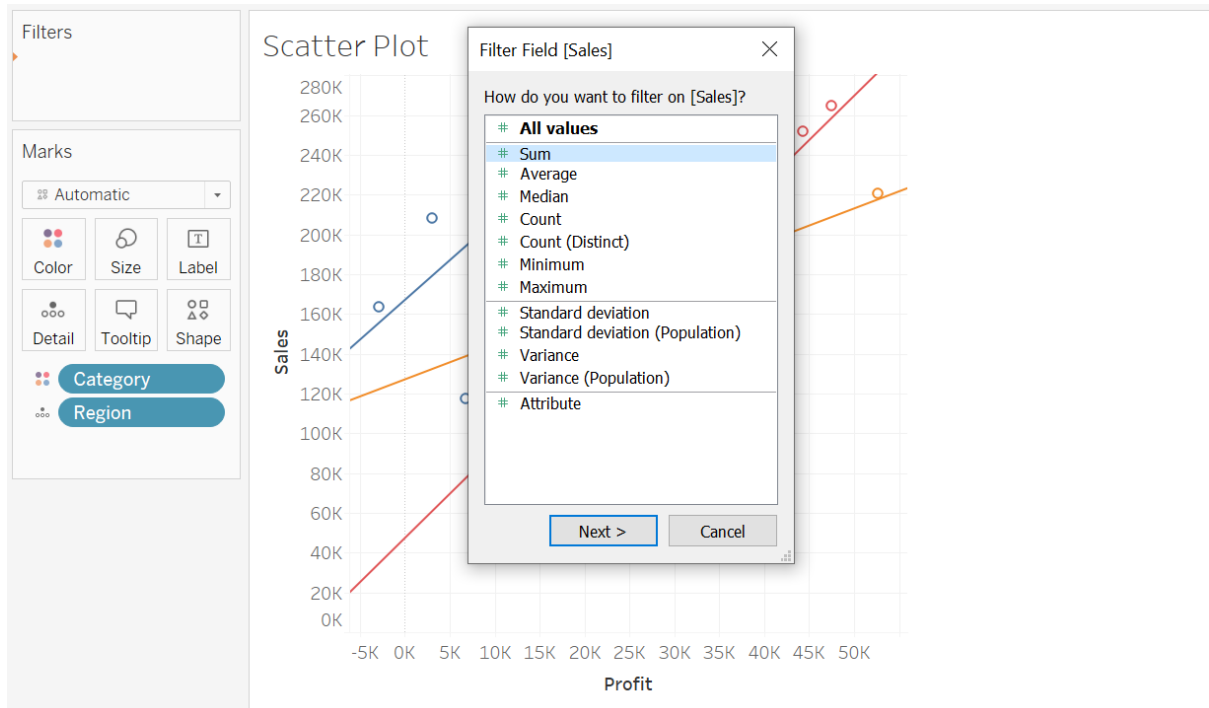




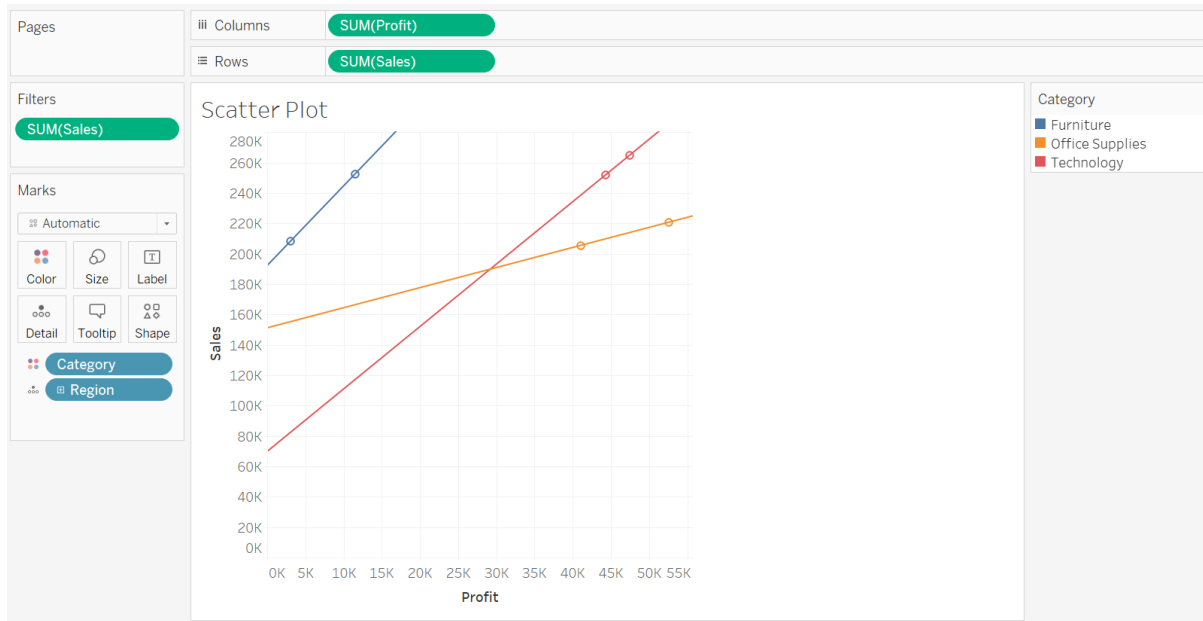
## Applying Context Filter for the Horizontal Bar Chart



## Applying Measure Filter for the Scatter Plot:

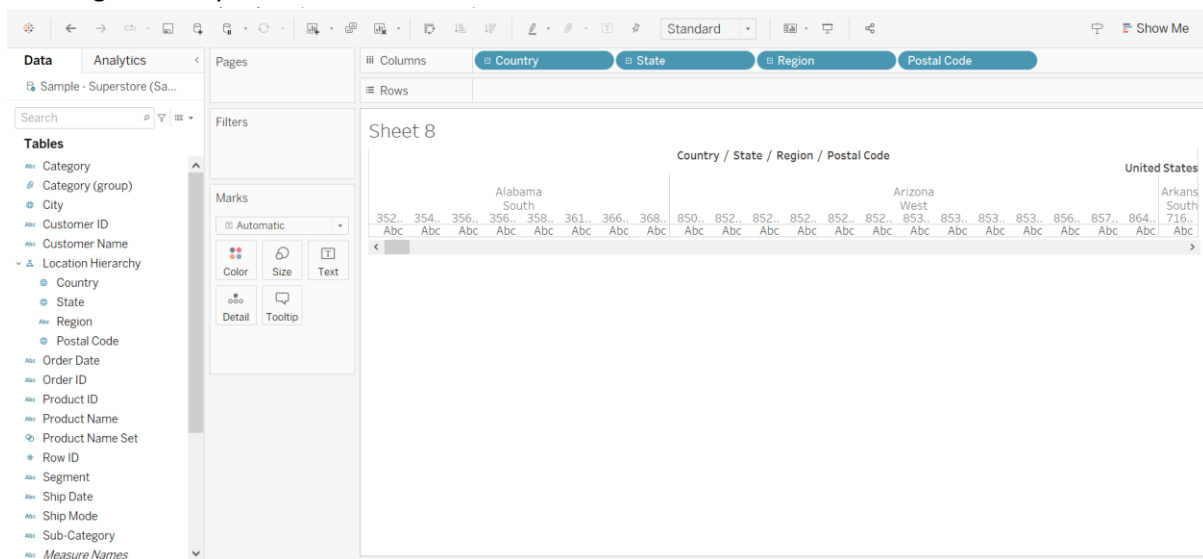






## Data Manipulations:

### Creating Hierarchy



## Creating Set

The screenshot shows the Tableau Desktop interface. On the left, the 'Data' pane shows a connection to 'Sample - Superstore (Sa...)' and a search bar. Below it, the 'Tables' pane lists various fields including Category, City, Customer ID, Customer Name, Location Hierarchy (Country, State, Region, Postal Code), Order Date, Order ID, Product ID, Product Name, Product Name Set, Row ID, Segment, Ship Date, Ship Mode, Sub-Category, and Measure Names. The main workspace is titled 'Sheet 12'. It features a 'Columns' shelf with the field 'IN/OUT(Product N...)' and a 'Rows' shelf. The 'Marks' card is set to 'Automatic'. The worksheet content displays a table with columns 'In/Out of Pr..' and 'Out', and rows 'In' and 'Out'.

## Creating Group

The screenshot shows the Tableau interface. On the left is the 'Tables' pane with a search bar and a list of fields: Category, Category (group), City, Customer ID, Customer Name, Location Hierarchy (expanded to show Country, State, Region, Postal Code), Order Date, Order ID, Product ID, Product Name, Product Name Set, Row ID, Segment, Ship Date, Ship Mode, Sub-Category, and Measure Names. The main workspace is titled 'Sheet 13'. The 'Columns' shelf contains 'Category (group)'. The 'Rows' shelf is empty. The 'Marks' card is set to 'Automatic' and shows a preview of a table with two columns: 'Category (group)' and 'Furniture & Office..', with values 'Furniture & Office..' and 'Technology' listed below. The 'Marks' card also has buttons for Color, Size, Text, Detail, and Tooltip.