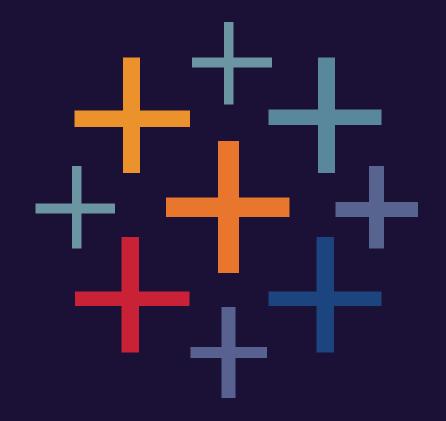
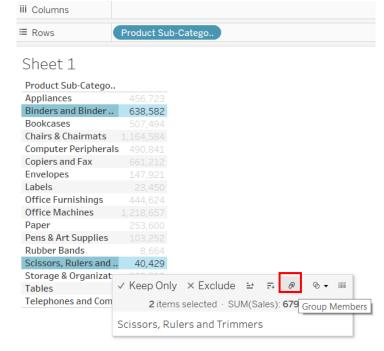
# I Groups and Sets





Simplifies large numbers of dimension members by combining them into higher-level categories. Grouping prevents mess and simplifies our data set

- Open a new worksheet
- Double-click Product-Subcategory and Sales variables for adding them to the view
- Select Binders and Scissors products together by pressing "Control" and select highlighted option



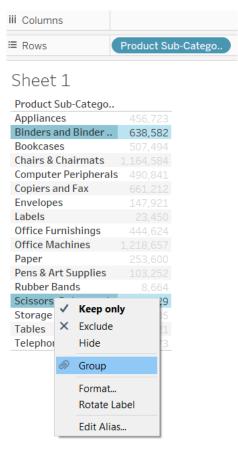
#### Sheet 1

Appliances	
Binders and Binder Accessories & Scissors, Rulers and Trimmers	679,011
Bookcases	507,494
Chairs & Chairmats	
Computer Peripherals	490,841
Copiers and Fax	
Envelopes	147,921
Labels	
Office Furnishings	444,624
Office Machines	
Paper	
Pens & Art Supplies	
Rubber Bands	
Storage & Organization	
Tables	1,061,921
Telephones and Communication	

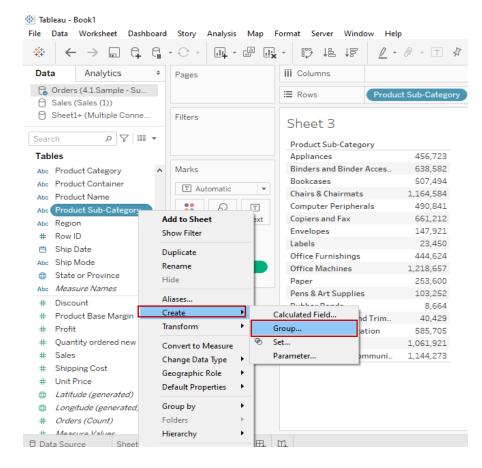


Other ways for creating a group:

- Select two products again
- Right-click and select Group
- Right click on the variable
- Select Create
- Select Group





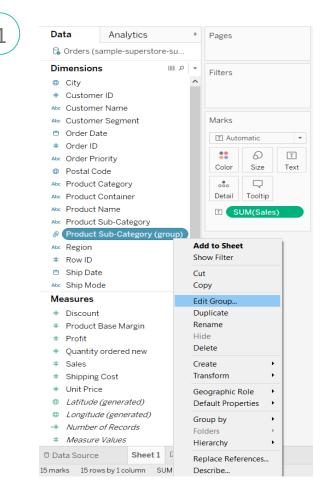


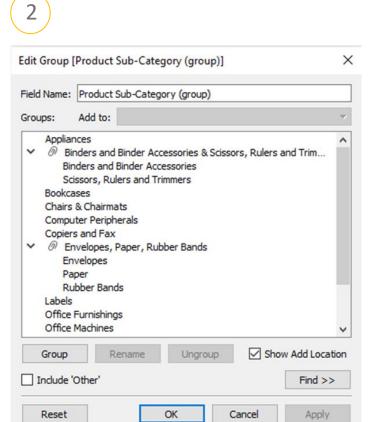
#### For editing groups:

 Go Dimensions area right-click Product Sub-Category (group), choose highlighted option

#### Here you can:

- Create new group in a group field
- Add new product to the group
- Remove members from an existing group
- Include "Other" group





# Create new group in a group field

- In the Edit Group field select members
- Click Group
- Click OK

# Add new product to the group:

- In the Edit Group field choose any product
- Add to the selected group name
- Click OK or Drag any product into the group

# Remove members from an existing group

- In the Edit Group field select members, and then click Ungroup.
- The members are removed from the current group.
- Click OK.

# Include "Other" group

- In the Edit Group field click on the "Include other" option.
- Click **OK**.
- Variables will be grouped by the "Other" category

#### Sets

Sets are custom fields that are created within Tableau Desktop based on dimensions from your data source.

Create set

Fixed set

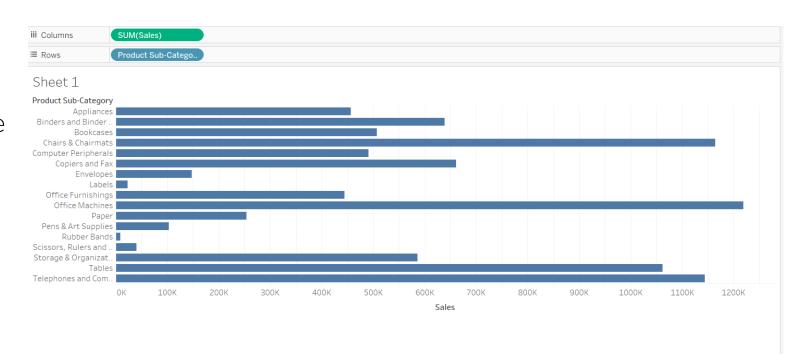
Dynamic set

- In the visualization, select one or more marks in the view.
- Right-click the marks
- Select Create Set.
- Type a name for the set.
- o Click Ok.

- In the Data pane, right-click a field and select Create > Set.
- In General tab select Use all options.
- Use the Condition tab to define rules for members in set.
- Use the Top tab to define limit for members.
- o Click **Ok**.

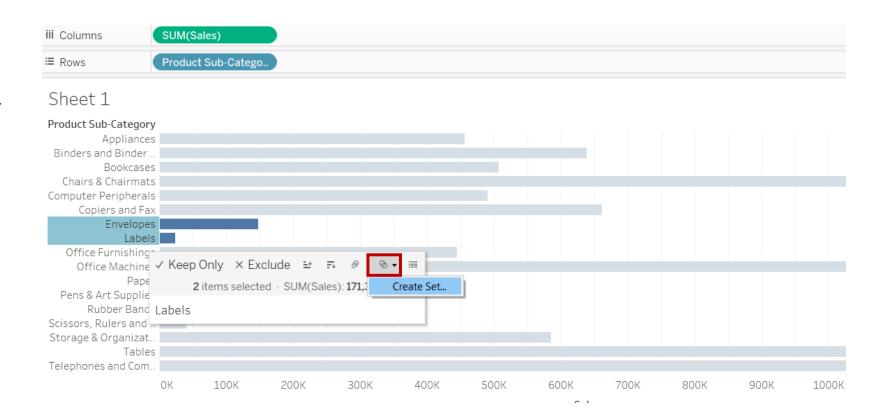
#### Sets

- Create a new worksheet
- Add Product Sub -Category to the Columns and Sales to the Rows
- Switch it to the horizontal bars



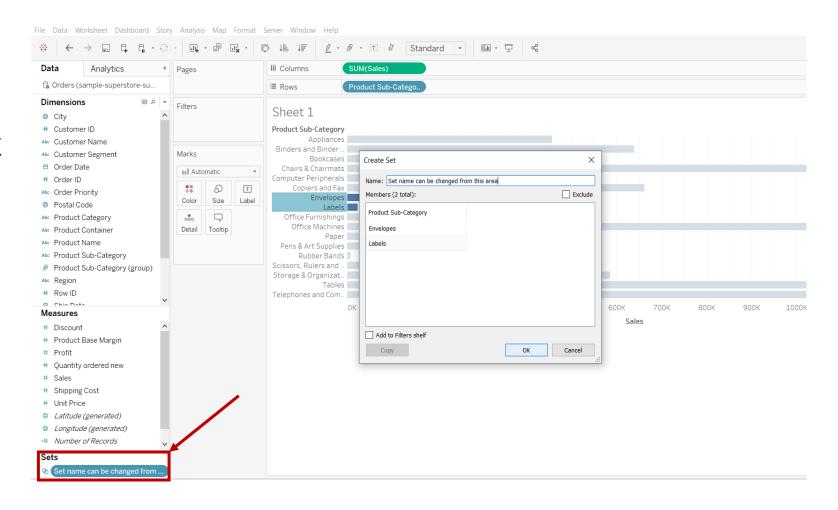
#### **Fixed Set**

- Select 2 products together
- Click highlighted area
- Select Create Set



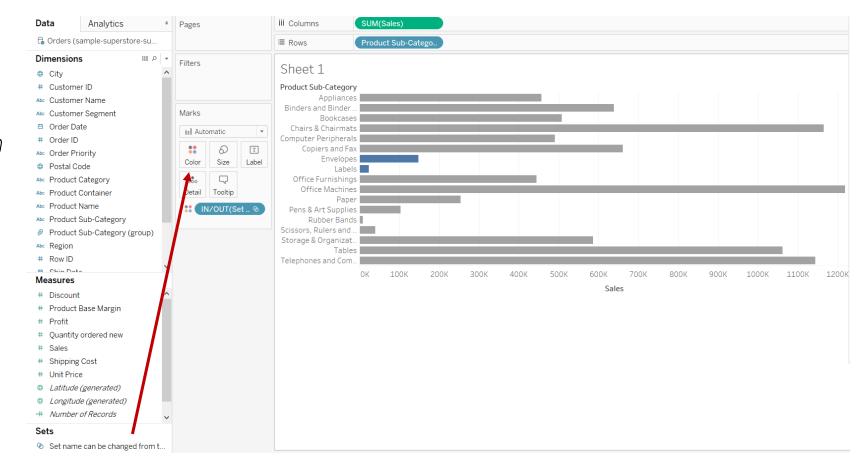
#### **Fixed Set**

- In the opened window click OK
- Set will be displayed in the highlighted area



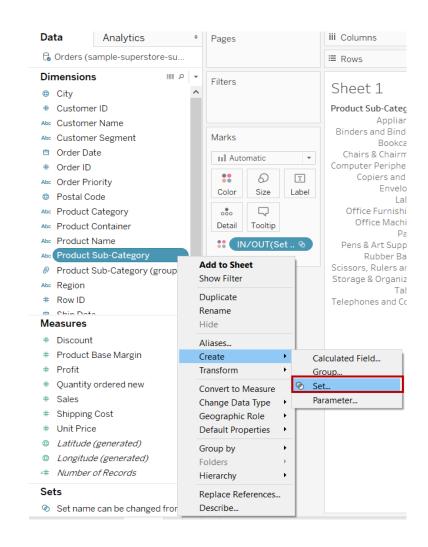
#### **Fixed Set**

 Drag set to Color section to differentiate our set



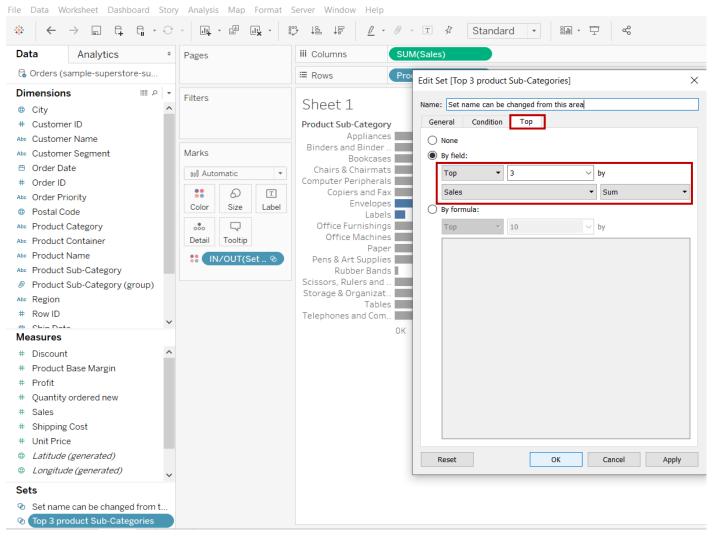
## **Dynamic Set**

- Right-click Product Sub-Category
- Choose create
- Click Set



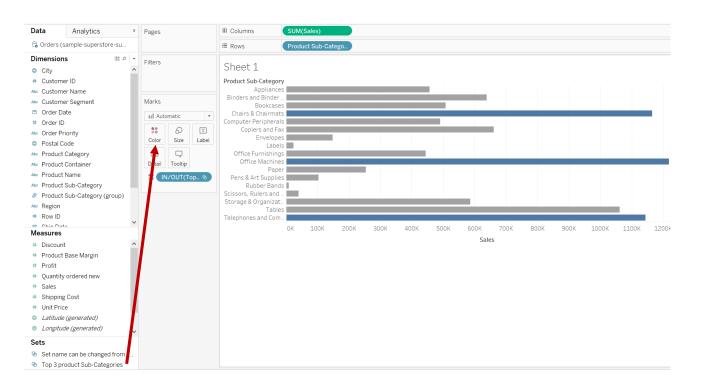
# **Dynamic Set**

- Choose top section
- Choose By Field
- Select Top 3 by Sales Sum
- Set will contain top 3 Product
   Sub-Categories by sales



# **Dynamic Set**

- Drag new set to the color section
- Top 3 product sub-categories will be colored



# II Parameters



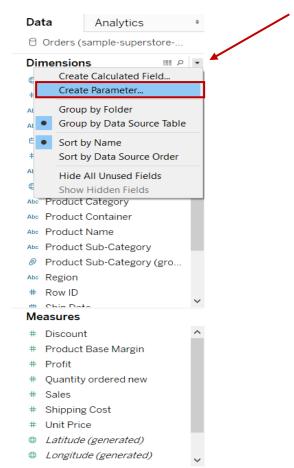


Parameters are dynamic values that can replace constant values in calculations, filters, and

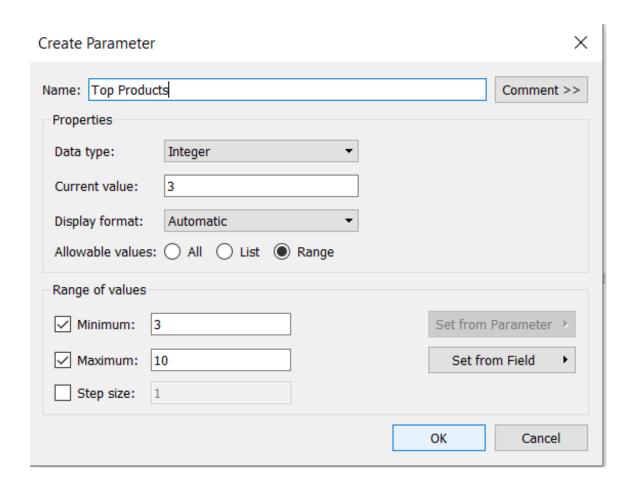
reference lines.

o Click on arrow sign or right click on Dimensions

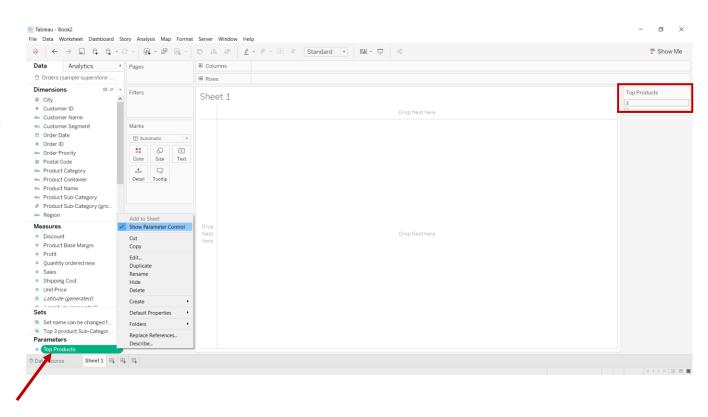
Select Create Parameter



- Change the name to Top Products
- Choose data type Integer
- Current value is 3
- Change Allowable values to Range
- Choose minimum=3, maximum=10
- Click OK

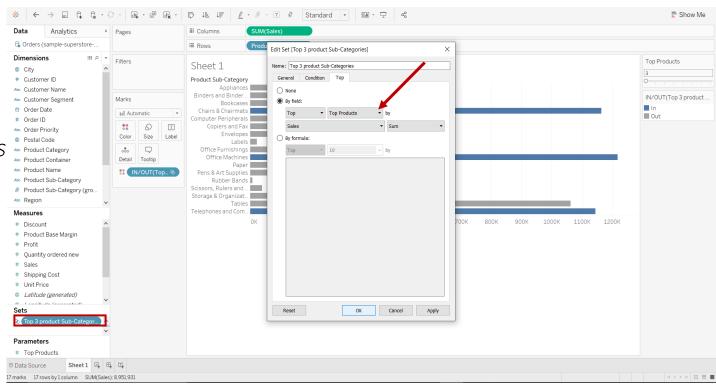


- Right-Click to the Top Products Parameter
- Choose Show Parameter Control and Parameter Control will be displayed in the highlighted area



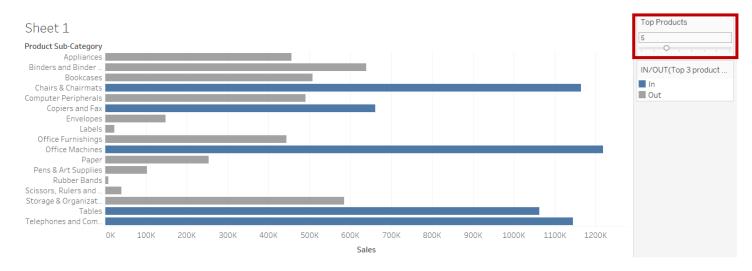
#### **Sets with Parameter**

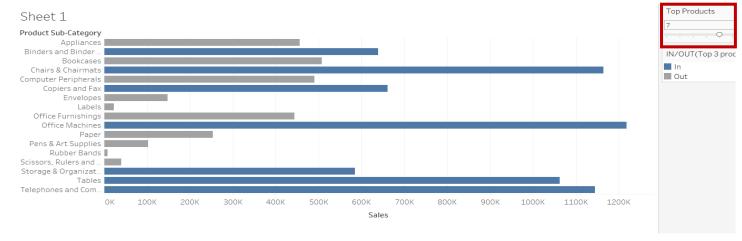
- Right-Click highlighted set
- Select edit set
- Change 3 from By Field to Top Products
- Click OK



 As you see from here, it will be shown as top 5 products from parameter control

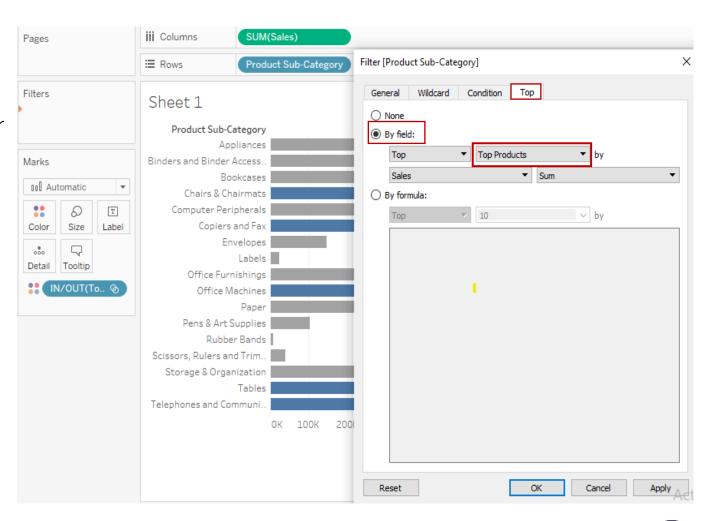
 When it increases to 7 from highlighted area, it will be shown as top 7 products





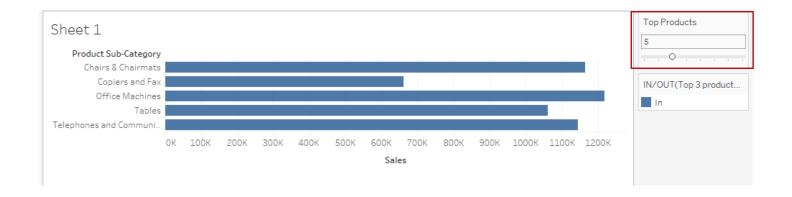
#### **Filter with Parameter**

- Drag Product Sub-Category into the filter
- Click "Top"
- Select "Top Products"
- Click OK

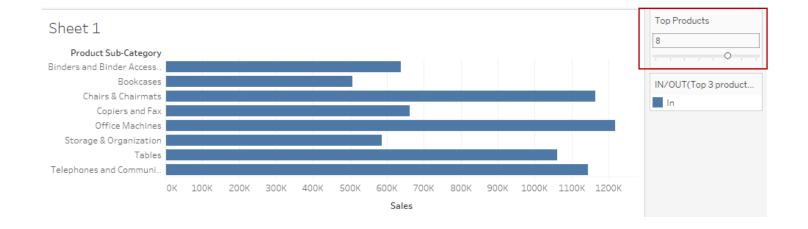


#### **Filter with Parameter**

 As you see from here, it will be shown as top 5 products from parameter control

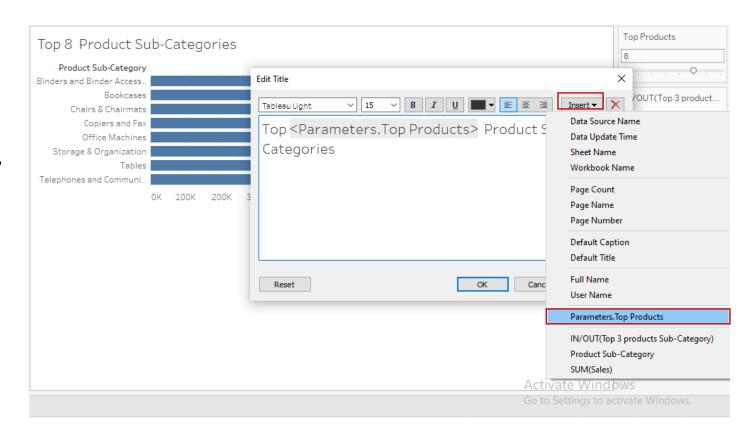


 When it increases to 8 from highlighted area, it will be shown as top 8 products



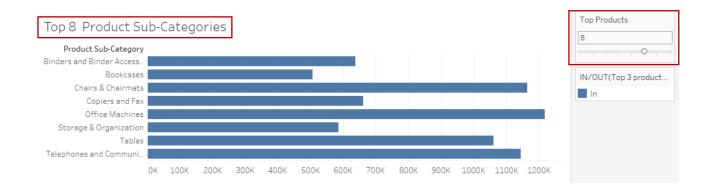
#### **Title with Parameter**

- Double click on the Title
- Write "Top"
- Select "Parameters. Top Products" from the "Insert" option
- Write "Product Sub-Categories"
- Click "OK"

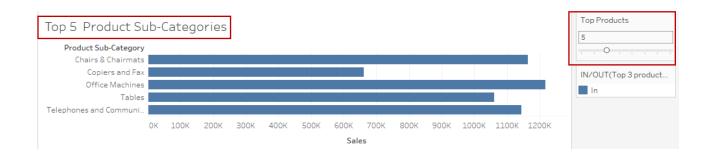


#### **Title with Parameter**

 As you see from here, the title will be shown as Top 8 Product Sub-Categories from parameter control



 When it decreases to 5 from highlighted area, it will be shown as Top 5 Product Sub-Categories



# Scatter plot, Bubbles and Text Table

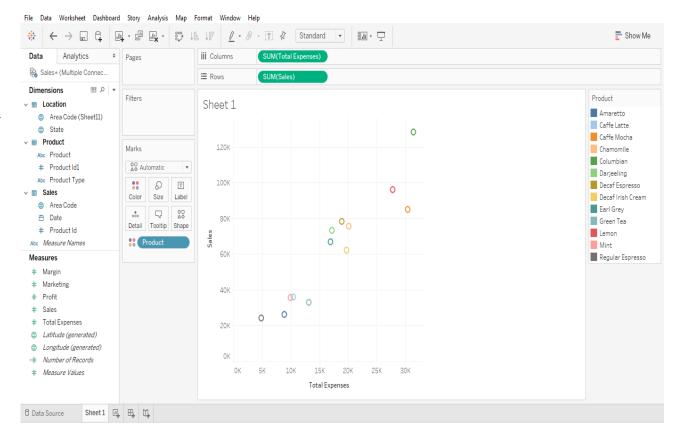




#### **Scatter Plot**

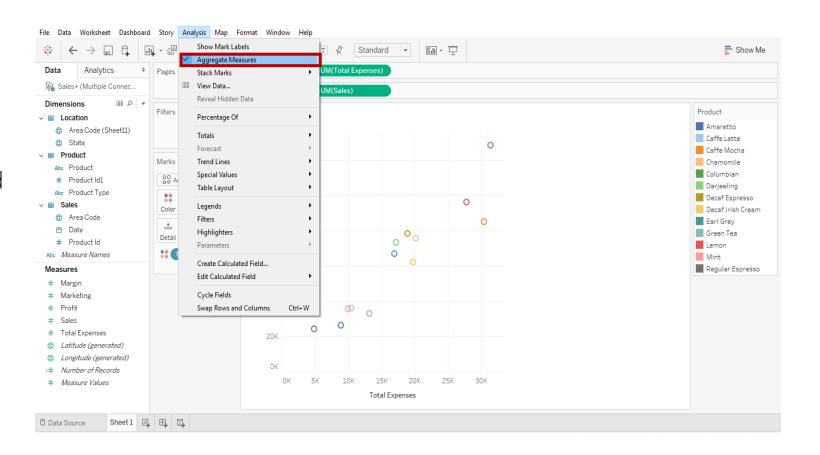
Scatter plots' primary uses are to observe and show relationships between two numeric variables. It is a two-dimensional graph where the position of a data point or dot is decided by two measure values; one on the x-axis and another on the y-axis.

- Clear the sheet
- Drag Sales to the rows, Total Expenses to the columns
- Drag Product to the Colors
- Scatter plot will be created



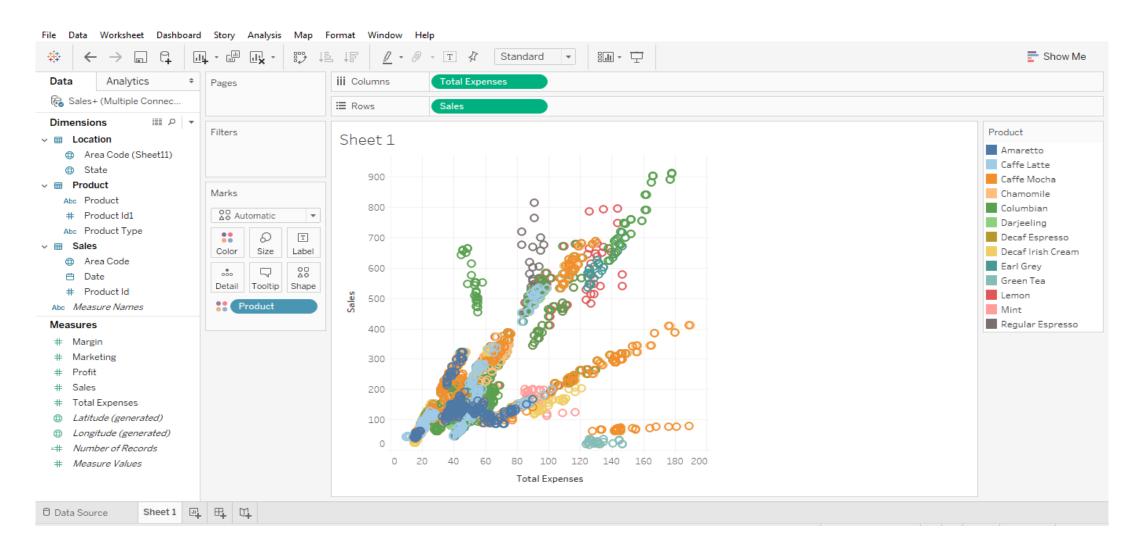
#### **Scatter Plot**

- From Analysis unselectAggregate Measures
- View will be at the most detailed level of granularity.



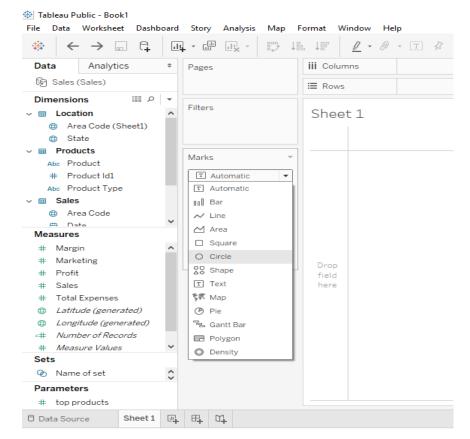
26

#### **Scatter Plot**

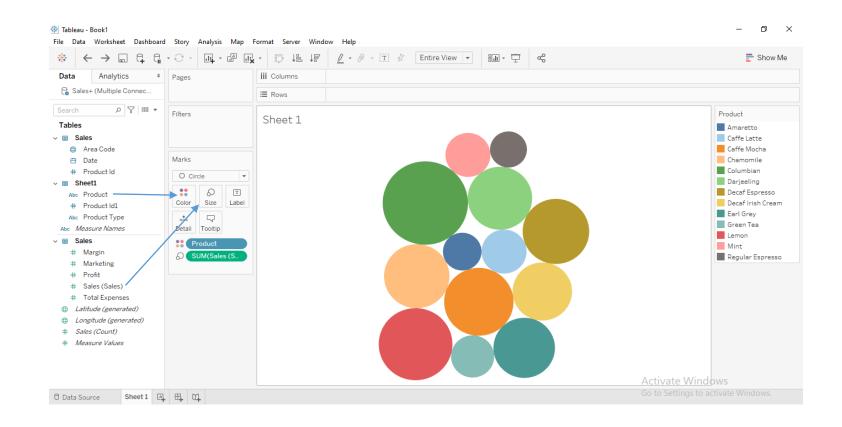


The packed bubbles view, also known as a bubble chart, is a means to show relational value without regards to axes. The bubbles are packed in as tightly as possible to make efficient use of space. It's particularly used with a data set that uses a large variety of fields.

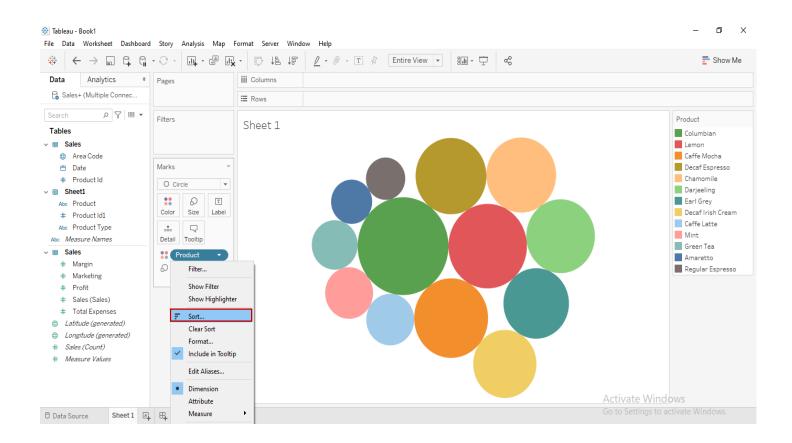
- Create a new worksheet
- Open the dataset named "Sales" then add "Products" with left join
- Switch to Circle from Marks section



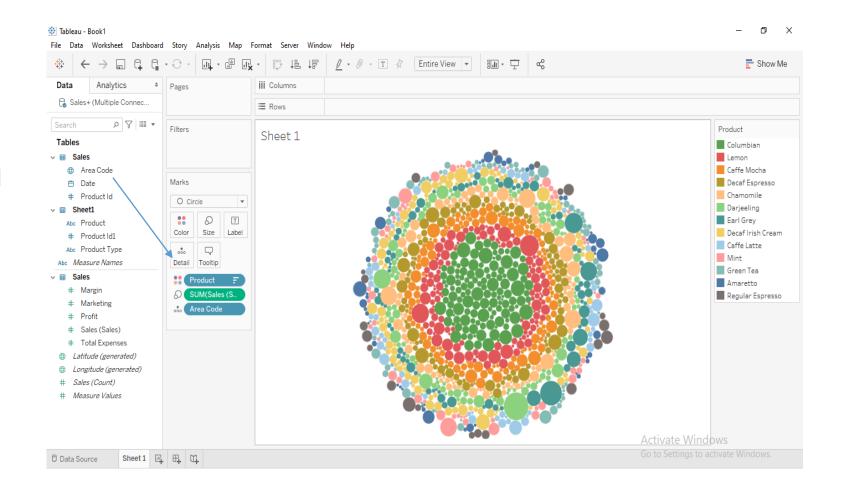
- Bring Product to Color
- Sales to Size.
- Change Fit to the Entire View



 Sort Product by Sales with descending order

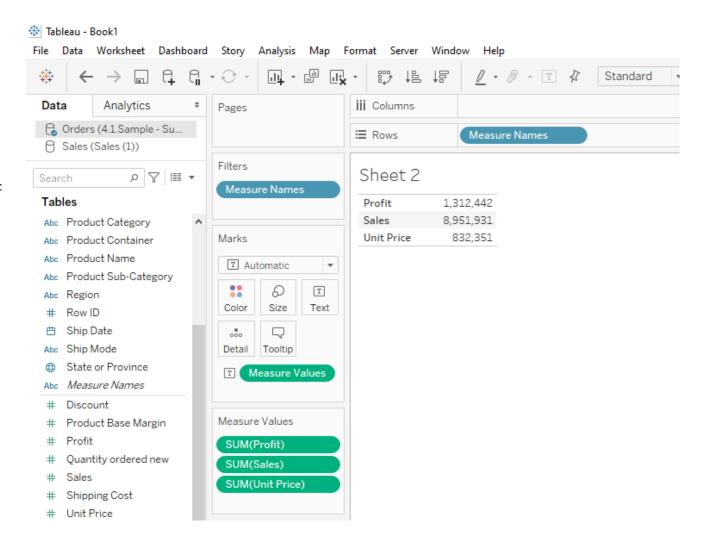


Drag Area code to the detail



#### **Text Table**

- Drag Measure Names into the column
- Drag Measure Names into the filter shelf
- Select Profit, Sales and Unit Price
- Click OK
- Drag Measure Values into the Text



## **Text Table Formatting**

- Right click on the text
- Select "Format"
- Format Font-customizes the text in the view.
- Format Alignment-customizes alignment of the text.
- Format Shading-customizes the background color.
- Format Borders-customizes the border style, width and color.
- Format Lines-customizes the appearance of the lines that are part of the view.
- Make the title name "Text Table"

