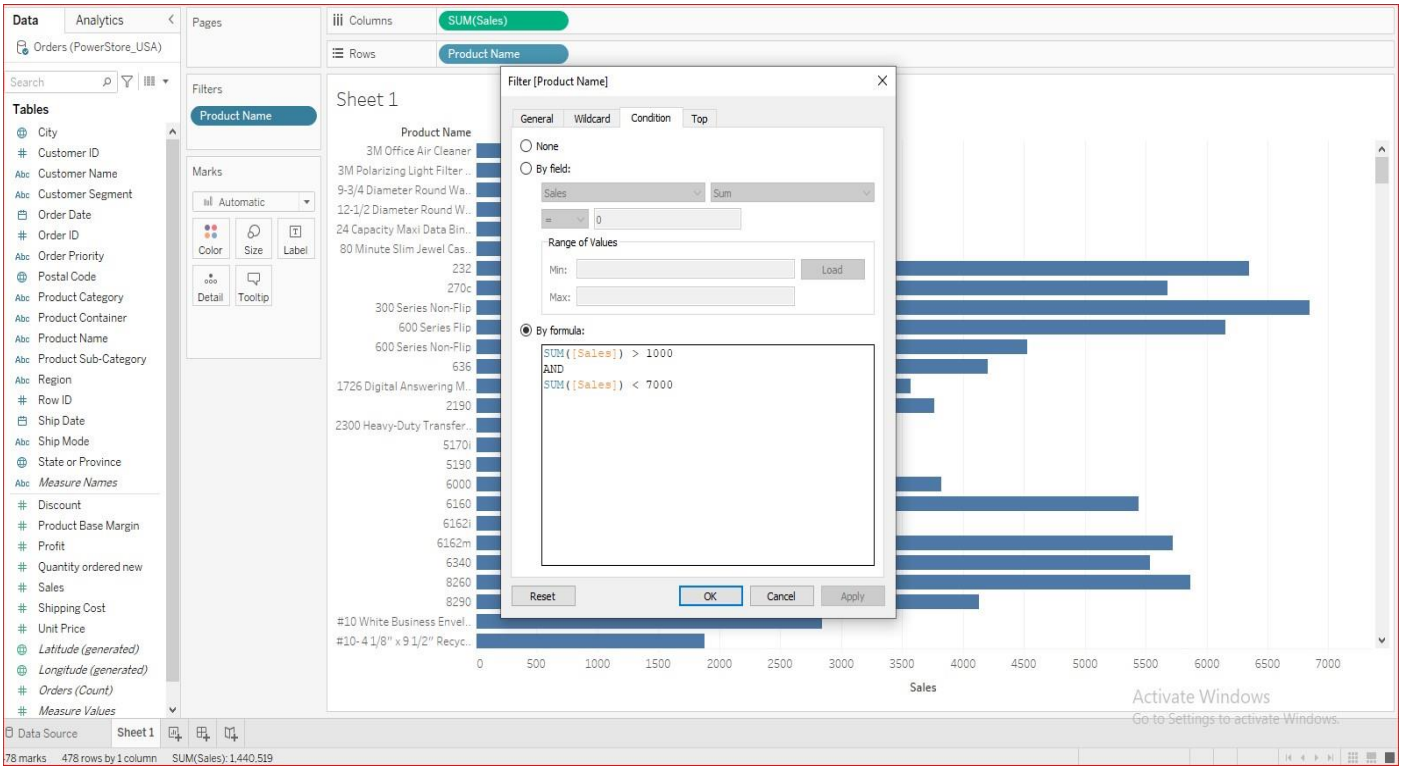
Tableau- Assignment 3

Name: Mohammad Wasiq

E-mail: mohammadwasiq0786@gmail.com

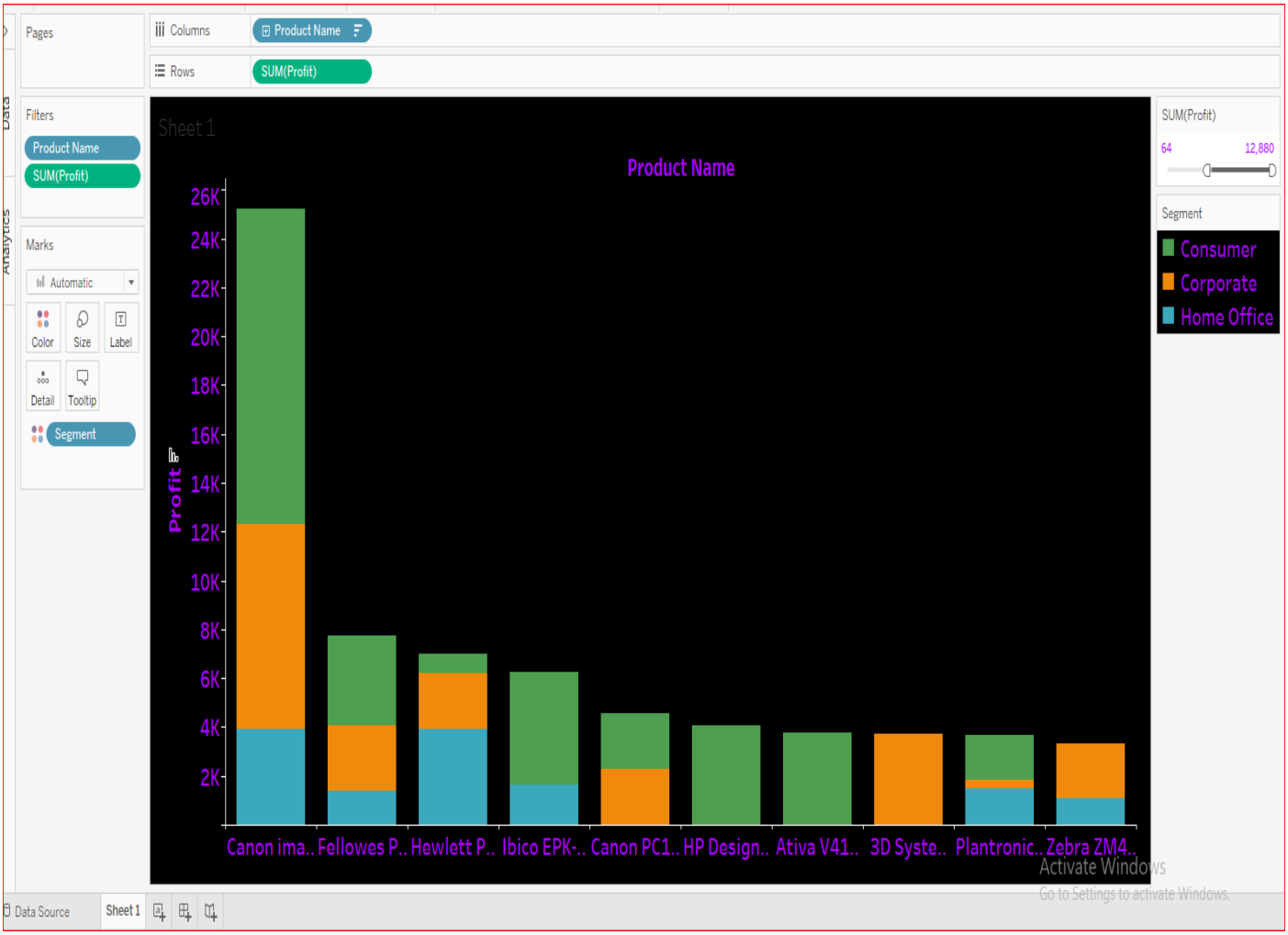
---

1. **Imagine a scenario wherein you wish to display only those "Products" whose "Sales" value ranges from 1000 to 7,000. With the help of tableau filters, create a bar chart visualization, depicting the "Sales" of only those products which lie in this range. Write briefly about your key observations. (Use the PowerStore_USA dataset.**

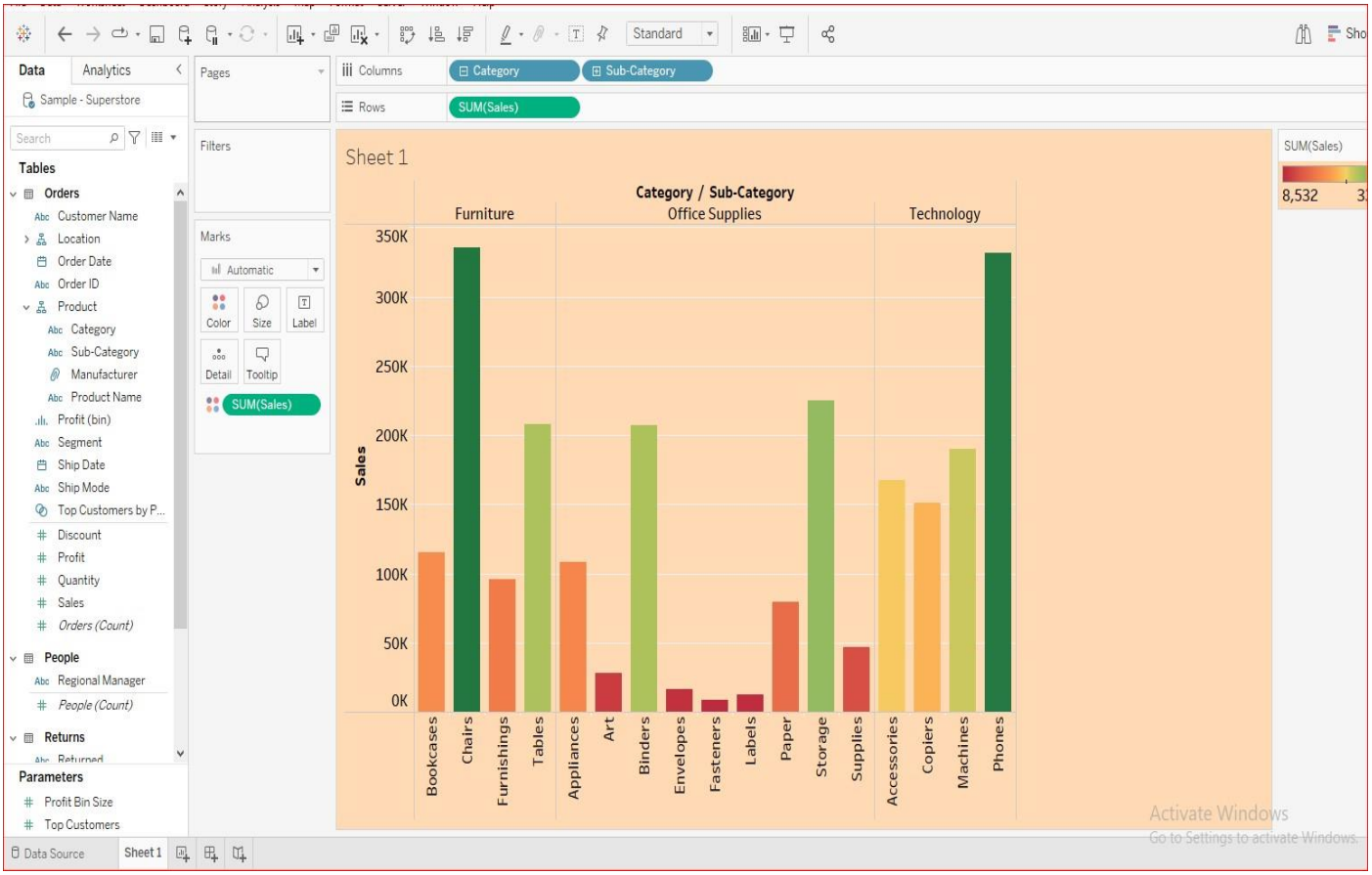


Data
Analytics
Orders (PowerStore_USA)
Search
Tables
City
Customer ID
Customer Name
Customer Segment
Order Date
Order ID
Order Priority
Postal Code
Product Category
Product Container
Product Name
Product Sub-Category
Region
Row ID
Ship Date
Ship Mode
State or Province
Measure Names
Discount
Product Base Margin
Profit
Quantity ordered new
Sales
Shipping Cost
Unit Price
Latitude (generated)
Longitude (generated)
Orders (Count)
Measure Values
Pages
Filters
Product Name
Marks
Automatic
Color
Size
Label
Detail
Tooltip
SUM(Sales)
Columns
SUM(Sales)
Rows
Product Name
Sheet 1
Product Name
3M Office Air Cleaner
3M Polarizing Light Filt..
9-3/4 Diameter Round ..
12-1/2 Diameter Round ..
24 Capacity Maxi Data B..
80 Minute Slim Jewel Ca..
232
270c
300 Series Non-Flip
600 Series Flip
600 Series Non-Flip
636
1726 Digital Answering ..
2190
2300 Heavy-Duty Trans..
5170i
5190
6000
6160
6162i
6162m
6340
8260
8290
#10 White Business Env..
#10- 4 1/8" x 9 1/2" Rec..
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
Sales
SUM(Sales)
1,002
6,999
Data Source
Sheet 1

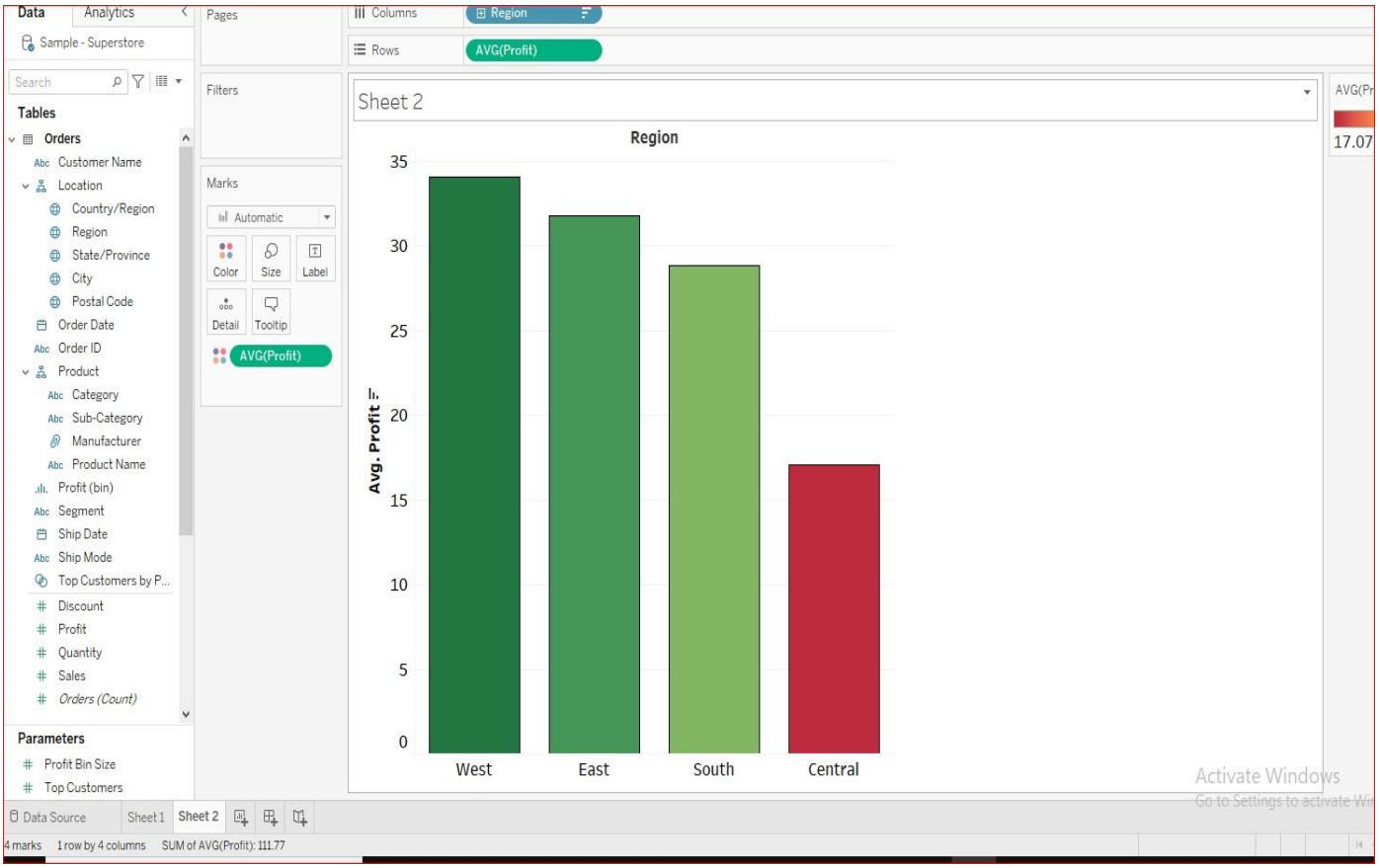
2. **Using the "Sample-Superstore.xls" dataset, create a view depicting "Top 10 products" by their "Profits" for "Consumer Segment" with the help of the best-suited visualization for this scenario. (Hint: Consider the visuals that are most appropriate for comparing different categories.)**

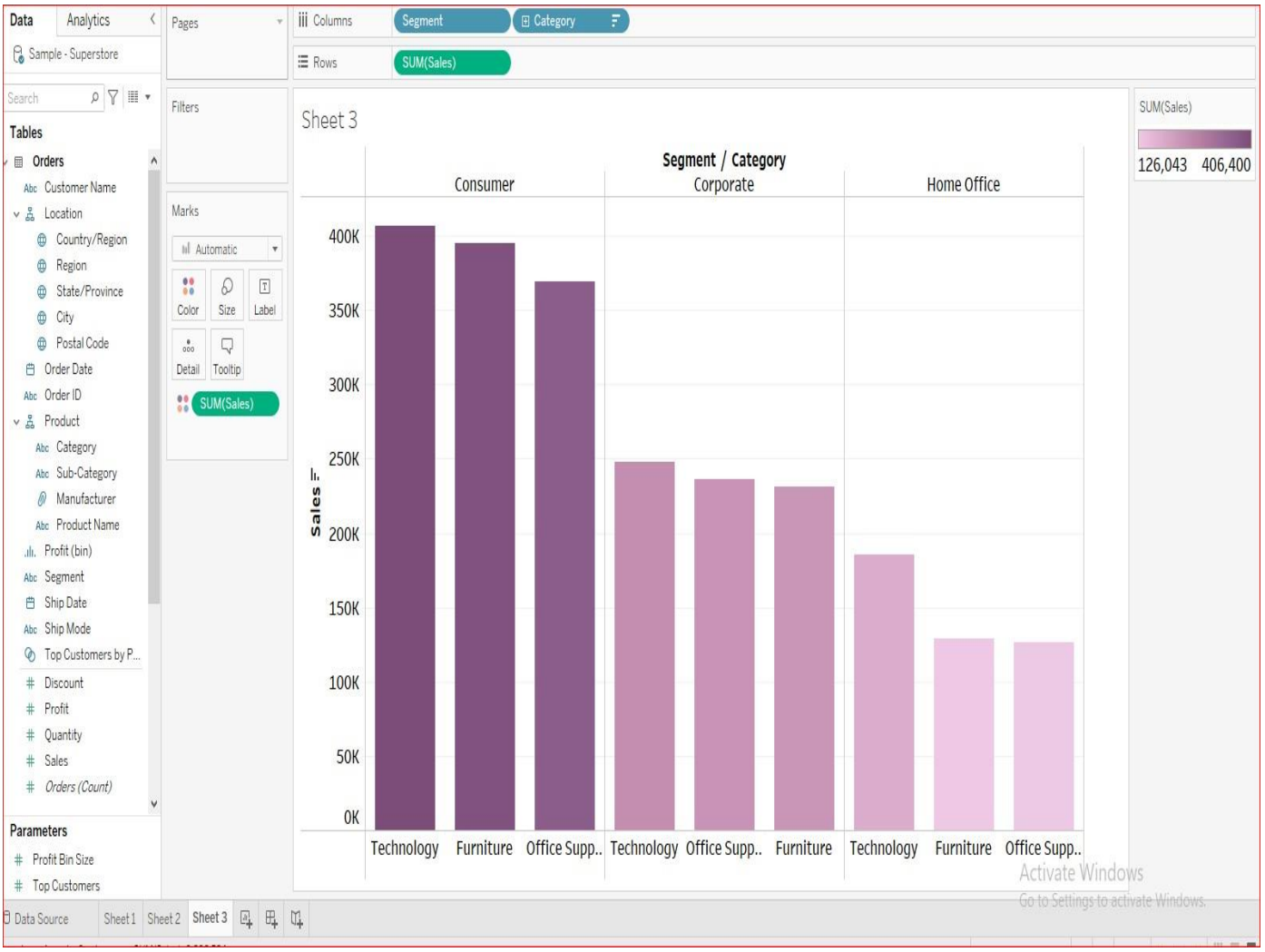


3. **When the first filter's selection limits the second filter to only include values that are currently relevant, this is known as cascading (or hierarchical) filtering. Pick an e-commerce or a provision store data and using the concept of cascading filters, create a bar graph comparing the sales of various regions wherein the "Sub-Category" filter shows all products that are relevant to the "Office-Supplies" Category. Notice that there will be a hierarchy of filters on dimensions, one of the n categories and the other one on the sub-category.**



4. Using the "Sample-Superstore.xls" dataset, create a visualization of comparison among different regions based on their average 'Profit' in ascending order.



5. **Using the concept of nested sorting in Tableau, create a view showing "Category" in ascending order sorted within each "Segment" by the sum of their total "Sales".**

   (Use the "Sample-Superstore.xls" dataset.)