

DATA ANALYTICS ASSIGNMENT 3

Name : Nalam Khyathi Vaishnavi

Roll no :20NN1A05F6

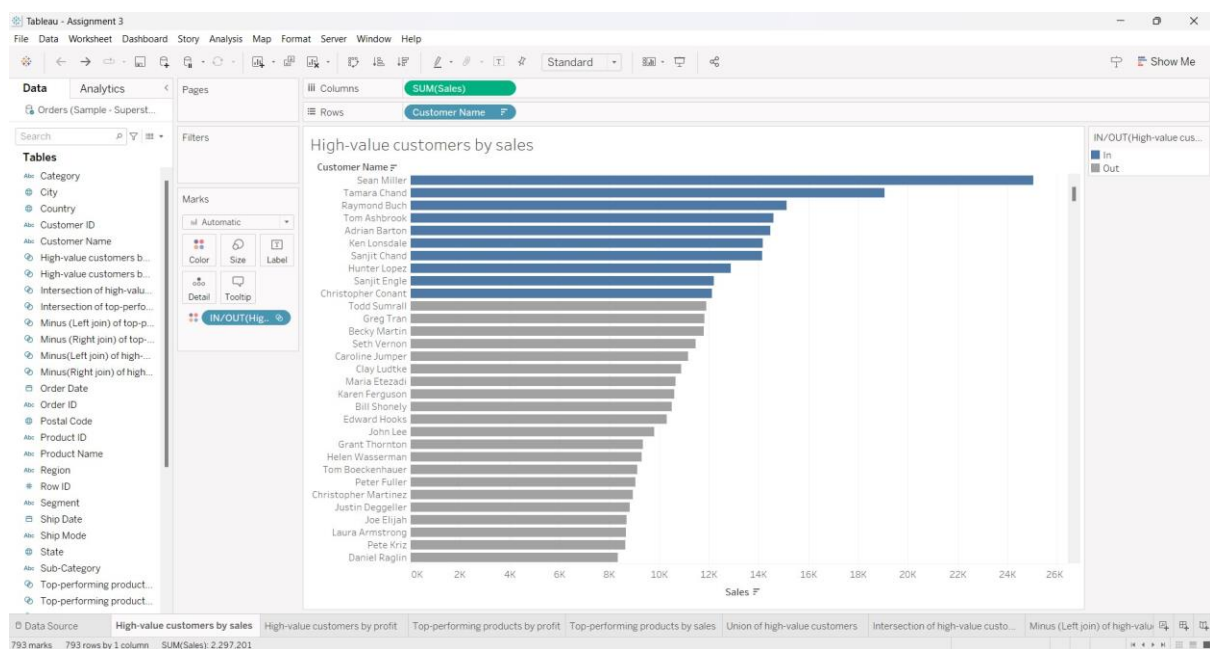
Year and Branch : IV B.TECH (CSE)

VIGNAN'S NIRULA INSTITUTE OF TECHNOLOGY AND SCIENCE FOR WOMEN
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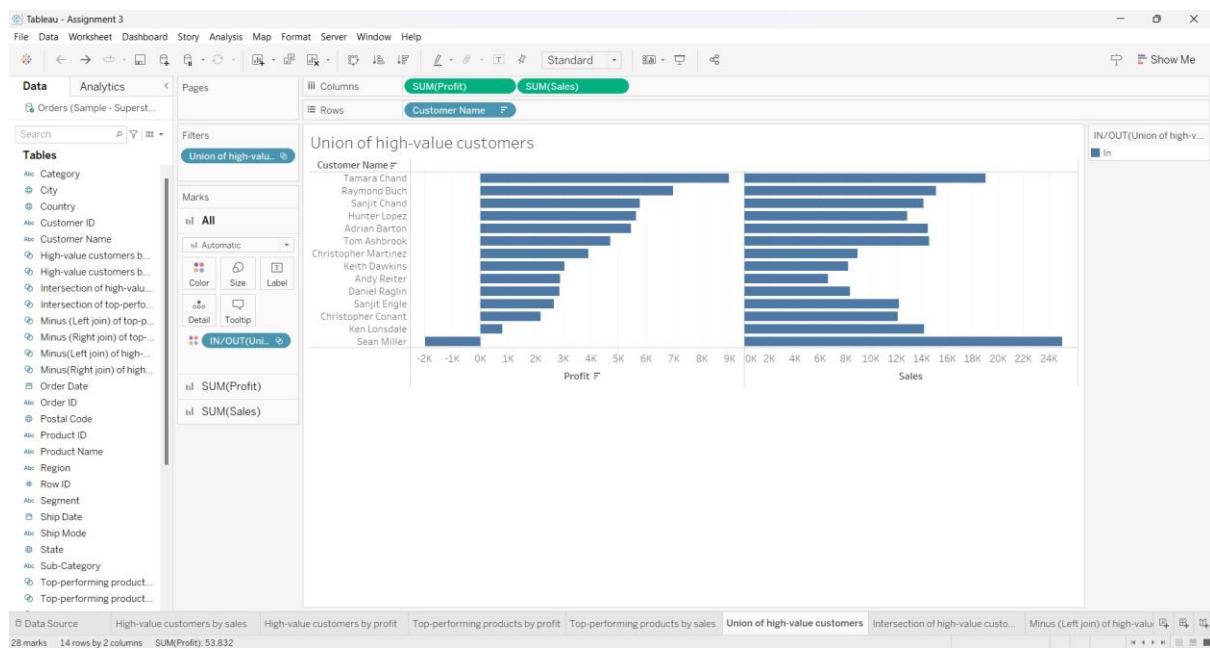
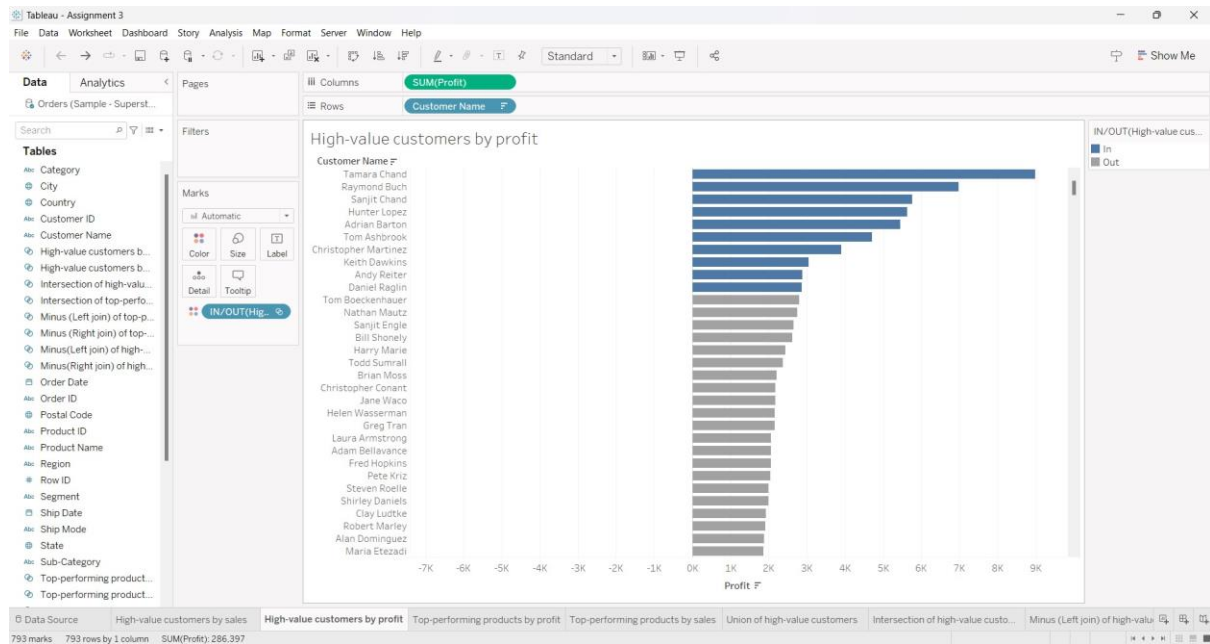
DATASET :  Sample - Superstore.xls

- Define at least two sets based on specific criteria from your dataset (e.g., high-value customers, top-performing products).
- Experiment with combining sets using UNION, INTERSECT, and MINUS operations.
- Create 2 Calculation field using any aggregate function
- Create any 3 visualization using quick Table Calculations

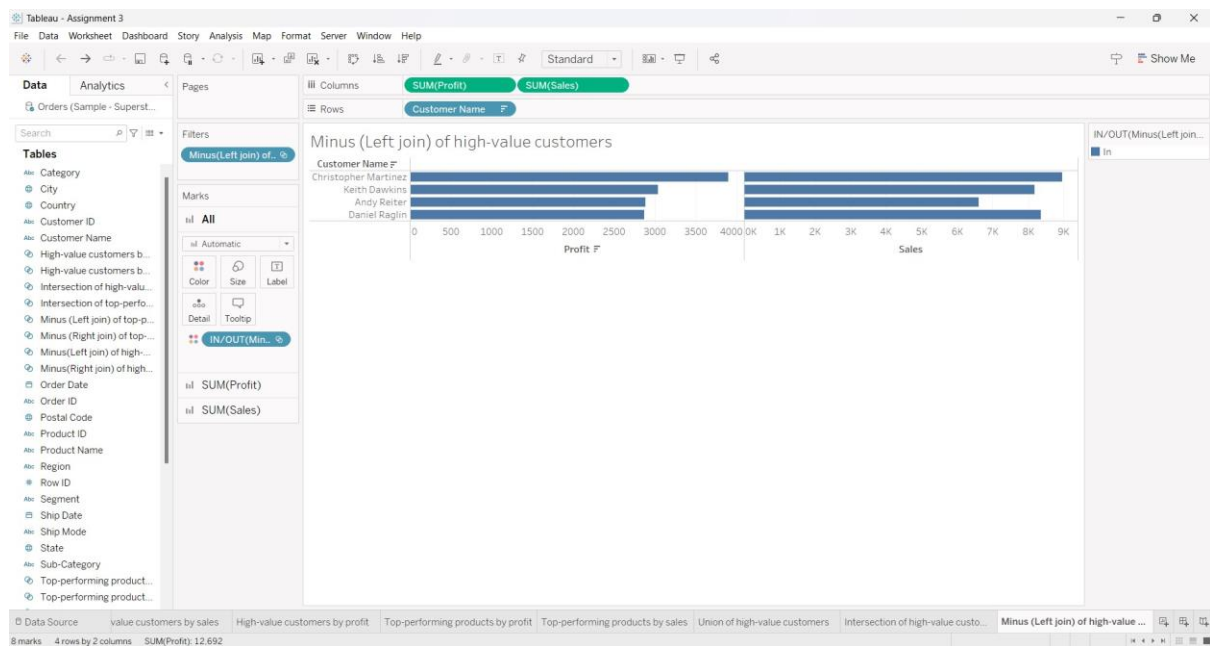
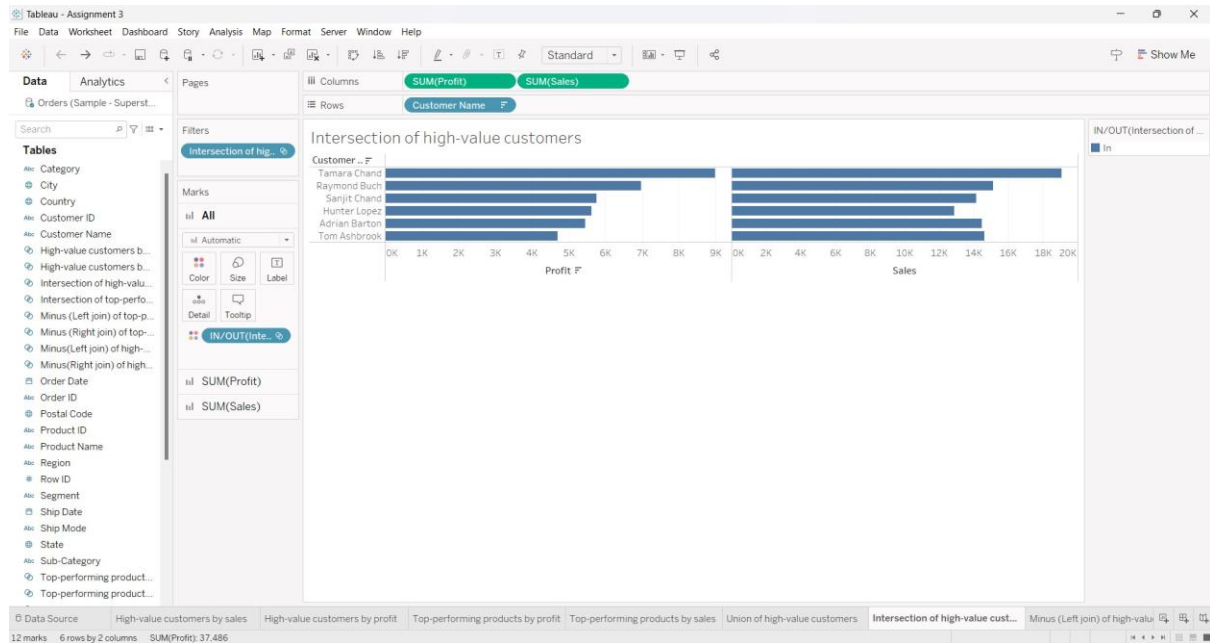
HIGH-VALUE CUSTOMERS BY SALES



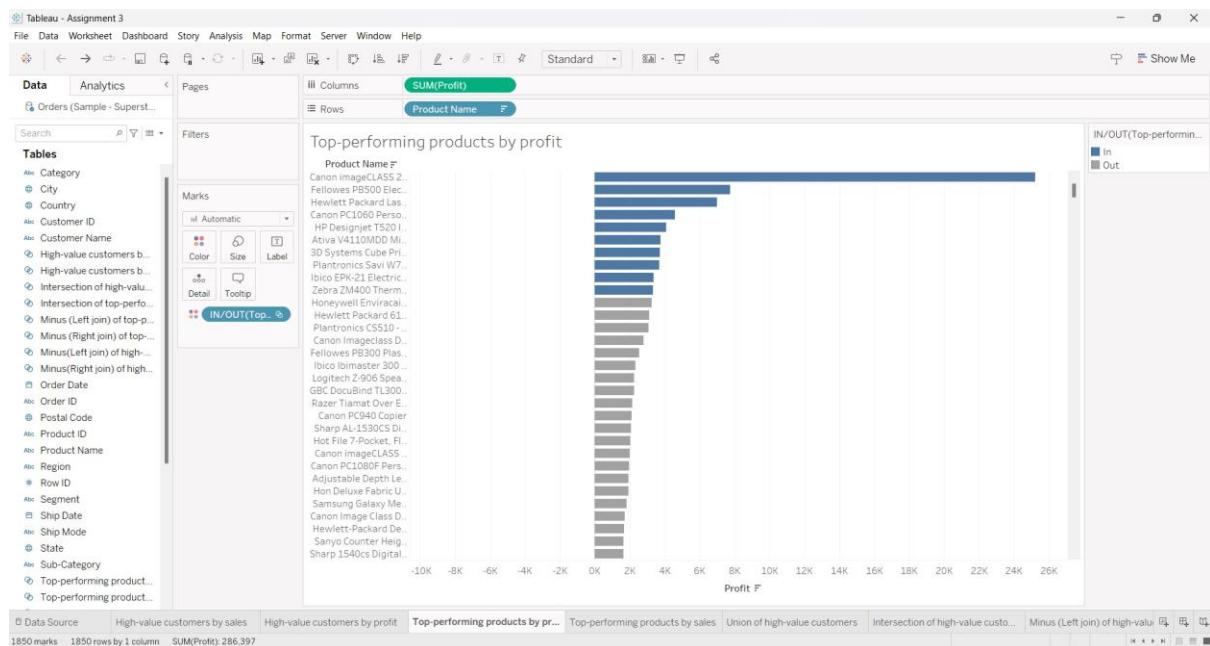
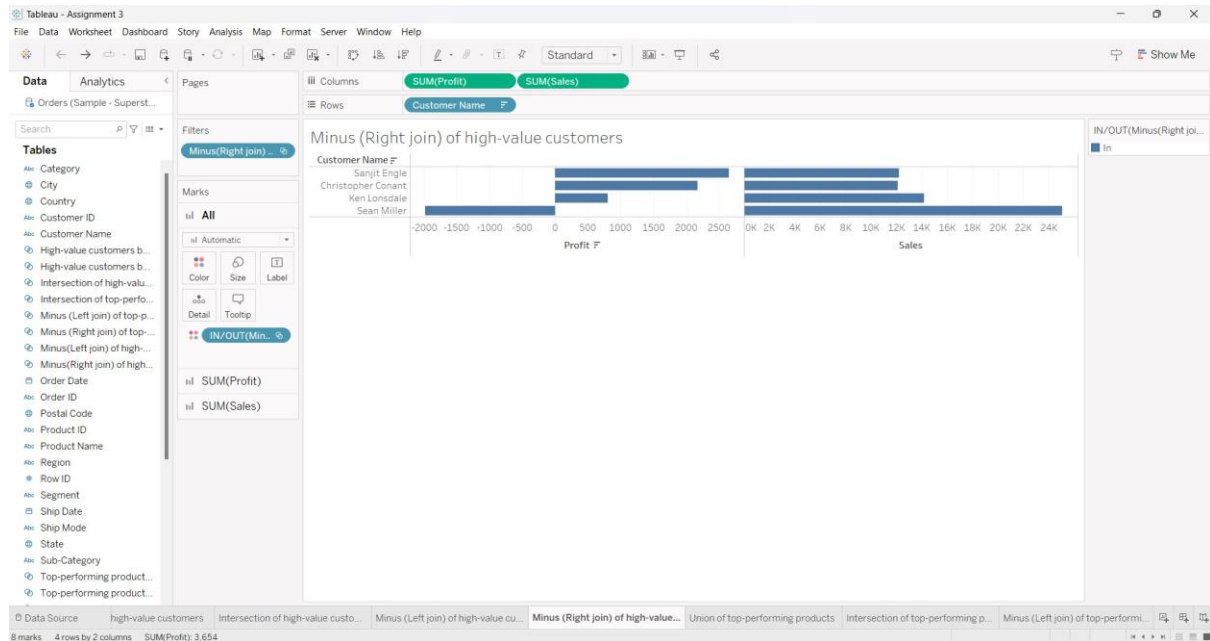
HIGH-VALUE CUSTOMERS BY PROFIT



UNION OF HIGH-VALUE CUSTOMERS INTERSECTION OF HIGH-VALUE CUSTOMERS



MINUS (LEFT JOIN) OF HIGH-VALUE CUSTOMERS MINUS (RIGHT JOIN) OF HIGH-VALUE CUSTOMERS

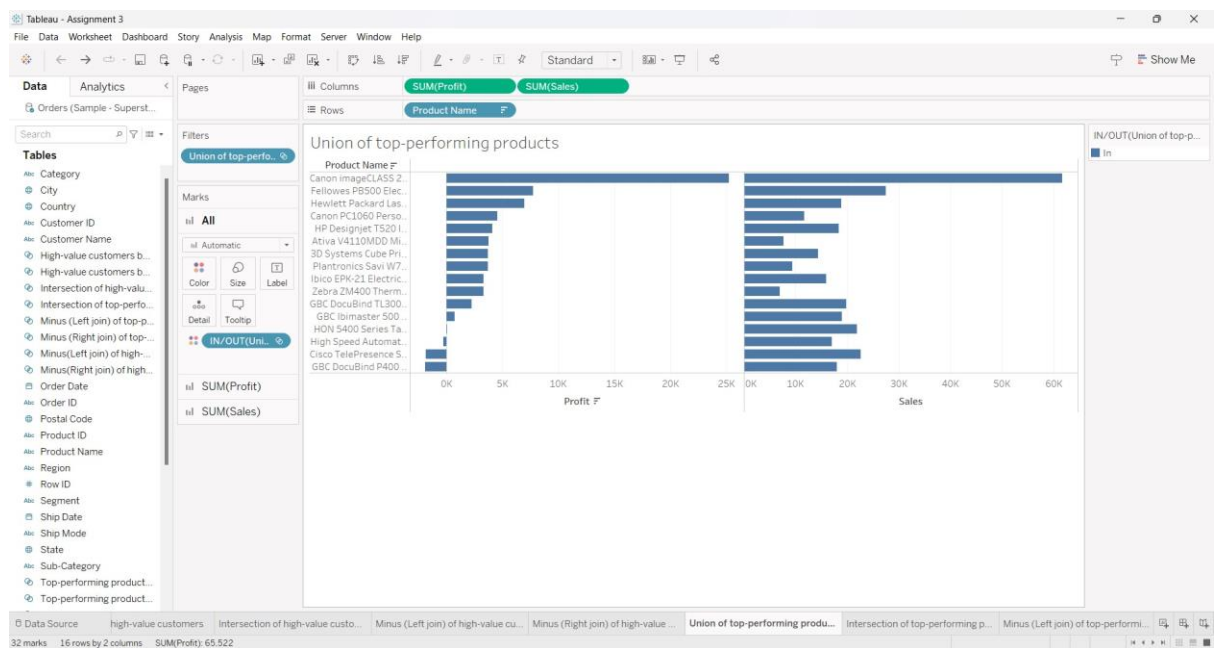


The screenshot shows the Tableau Desktop interface. The main view is a horizontal bar chart titled "Top-performing products by sales". The chart displays sales figures for various products, with the top product being Canon imageCLASS 2. The interface includes a sidebar with data sources, a top navigation bar, and a bottom status bar.

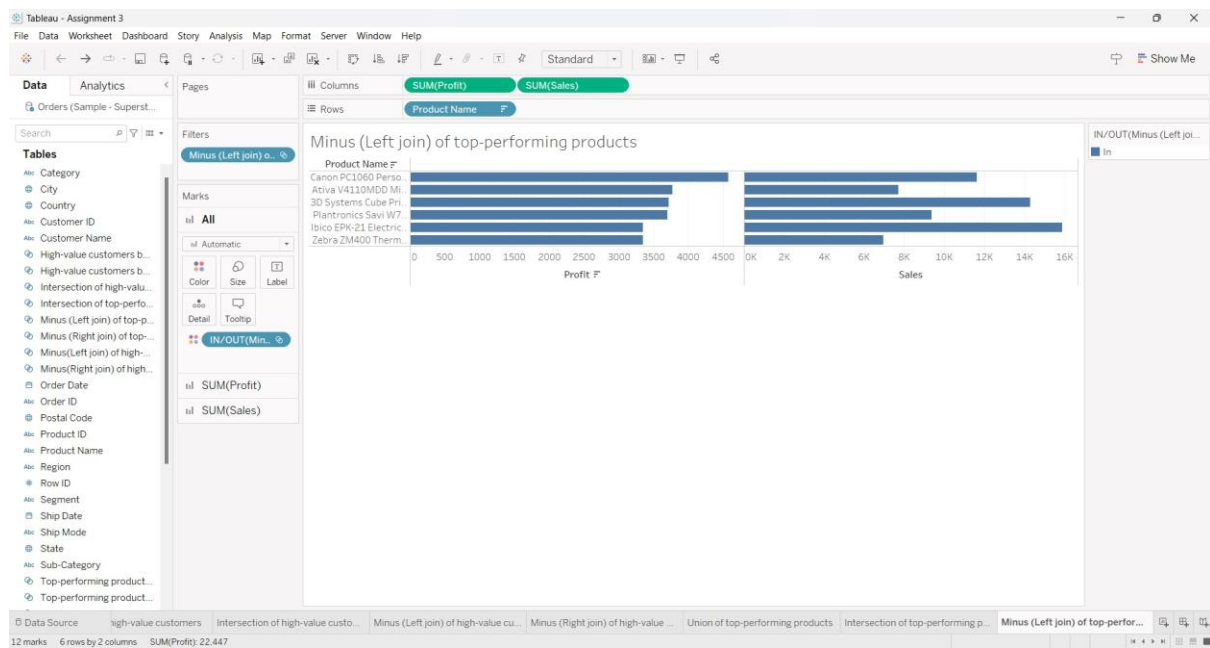
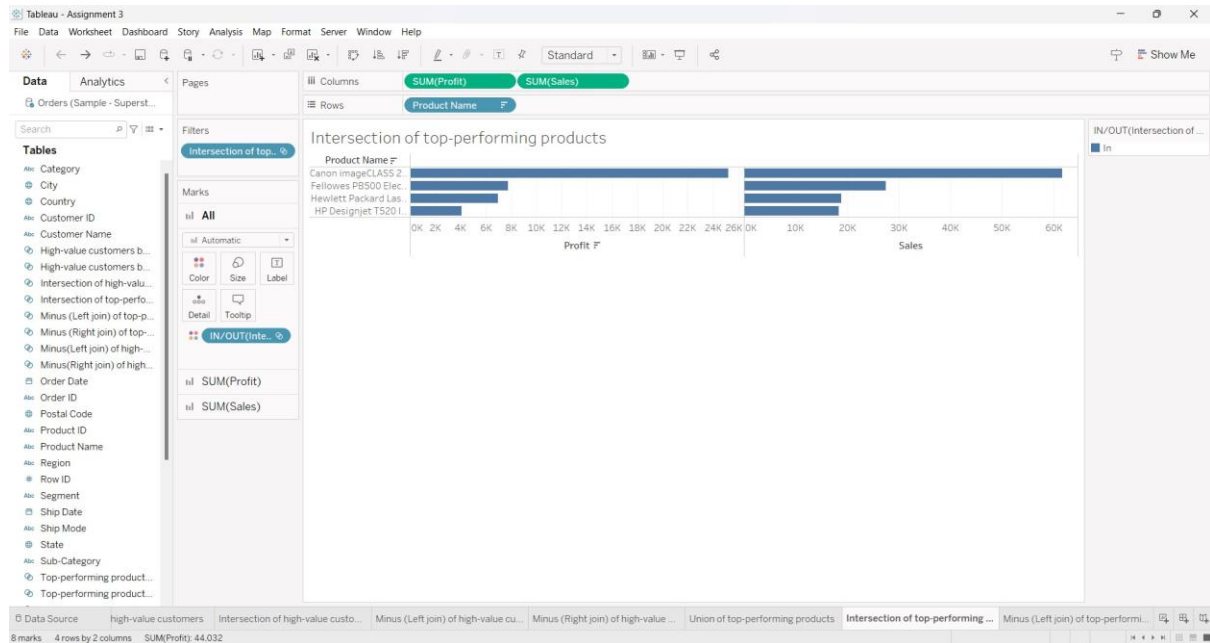
Tableau Interface Elements:

- Top Bar:** Tableau - Assignment 3, File, Data, Worksheet, Dashboard, Story, Analysis, Map, Format, Server, Window, Help.
- Left Sidebar:**
 - Data:** Orders (Sample - Superst...)
 - Analytics:** (Empty)
 - Pages:** (Empty)
 - Columns:** SUM(Sales)
 - Rows:** Product Name
 - Filters:** (Empty)
 - Tables:**
 - Category
 - City
 - Country
 - Customer ID
 - Customer Name
 - High-value customers b...
 - High-value customers b...
 - Intersection of high-val...
 - Intersection of top-perfo...
 - Minus (Left join) of top-p...
 - Minus (Right join) of top-p...
 - Minus (Left join) of high...
 - Minus (Right join) of high...
 - Order Date
 - Order ID
 - Postal Code
 - Product ID
 - Product Name
 - Region
 - Row ID
 - Segment
 - Ship Date
 - Ship Mode
 - State
 - Sub-Category
 - Top-performing product...
 - Top-performing product...
 - Marks:**
 - Color: Automatic
 - Size: Automatic
 - Label: Automatic
 - Detail: Automatic
 - Tooltip: Automatic
 - IN/OUT (Top-perform...**
- Chart Area:**
 - Title:** Top-performing products by sales
 - Columns:** Product Name F
 - Rows:** SUM(Sales)
 - Legend:** IN/OUT (Top-perform... (Blue for In, Grey for Out)
 - Data:**

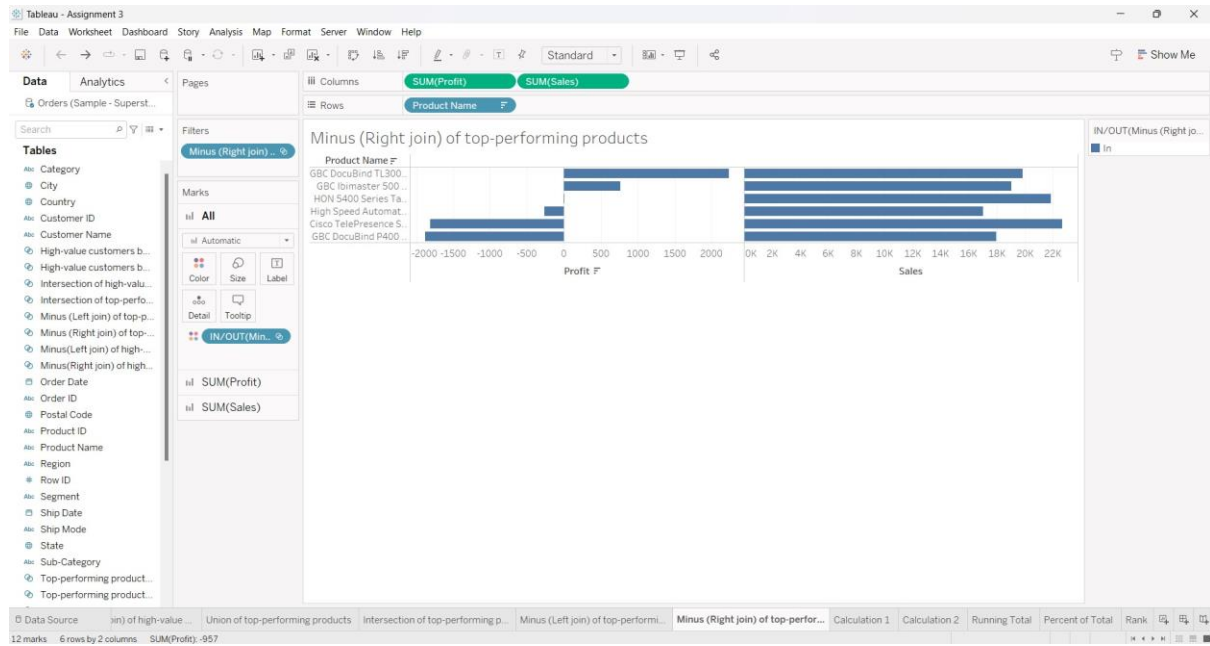
Product Name	Sales (Approx.)
Canon imageCLASS 2	58K
Fellowes PB500 Elec	28K
Cisco TelePresence S	25K
HON 5400 Series Ta	22K
GBC DocuBind T1300	20K
GBC Iobmaster 500	18K
Hewlett Packard Las	17K
HP DesignJet T520 I	16K
GBC DocuBind P400	15K
High Speed Automat	14K
Lexmark MX611dhe	13K
Martin Yale Chadles	12K
Ibico EPK-21 Electric	11K
Riverside Palars Roy	10K
3D Systems Cube Pro	9K
Samsung Galaxy Me	8K
Apple iPhone 5	7K
Bretford Rectangula	6K
Global Troy Executiv	5K
Canon PC1080 Perso	4K
SAFCO Arco Folding	3K
Honeywell Enviracai	2K
Cubify CubeX 3D-Pr	1K
DMI Eclipse Executiv	1K
Tennisco 6- and 18-C	1K
Plantronics CSS10 -	1K
Hon Deluxe Fabric U	1K
Logitech P71De Mob	1K
Chromcraft Bull-Nios	1K
Tennisco Double-Tier	1K
Bush Advantage Coll	1K
- Bottom Bar:**
 - Data Source: 1850 marks
 - High-value customers by sales: 1850 rows by 1 column
 - High-value customers by profit: SUM(Sales) 2,297,201
 - Top-performing products by profit
 - Top-performing products by sales**
 - Union of high-value customers
 - Intersection of high-value custo...
 - Minus (Left join) of high-val...



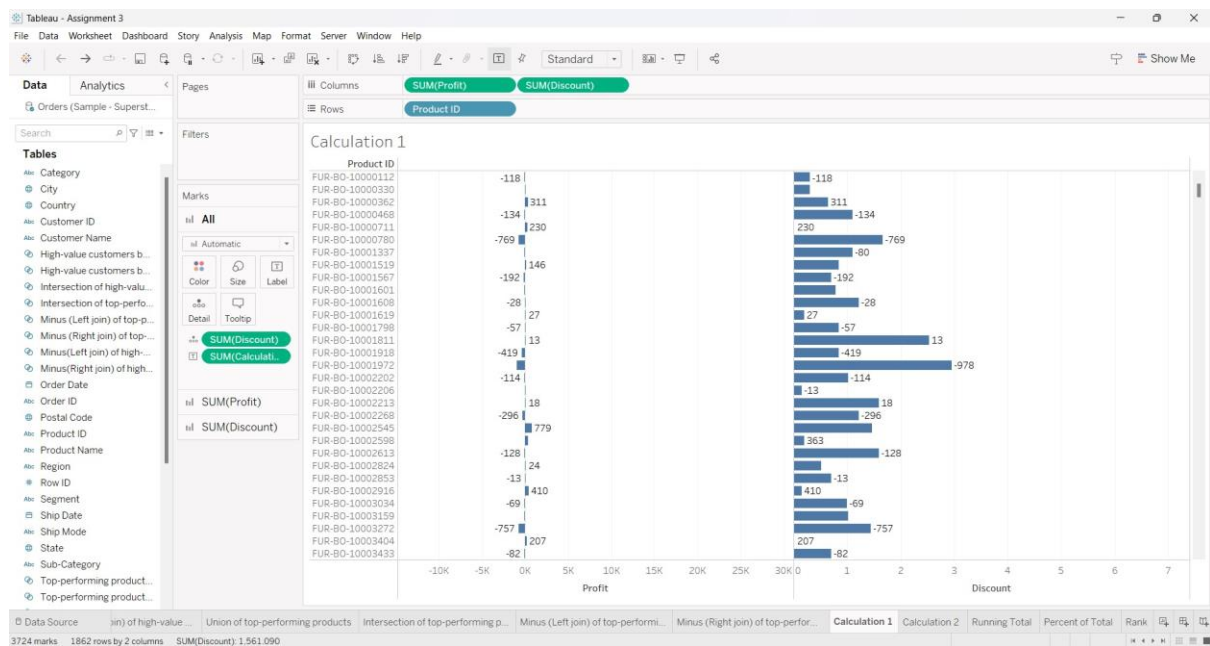
UNION OF TOP-PERFORMING PRODUCTS INTERSECTION OF TOP-PERFORMING PRODUCTS



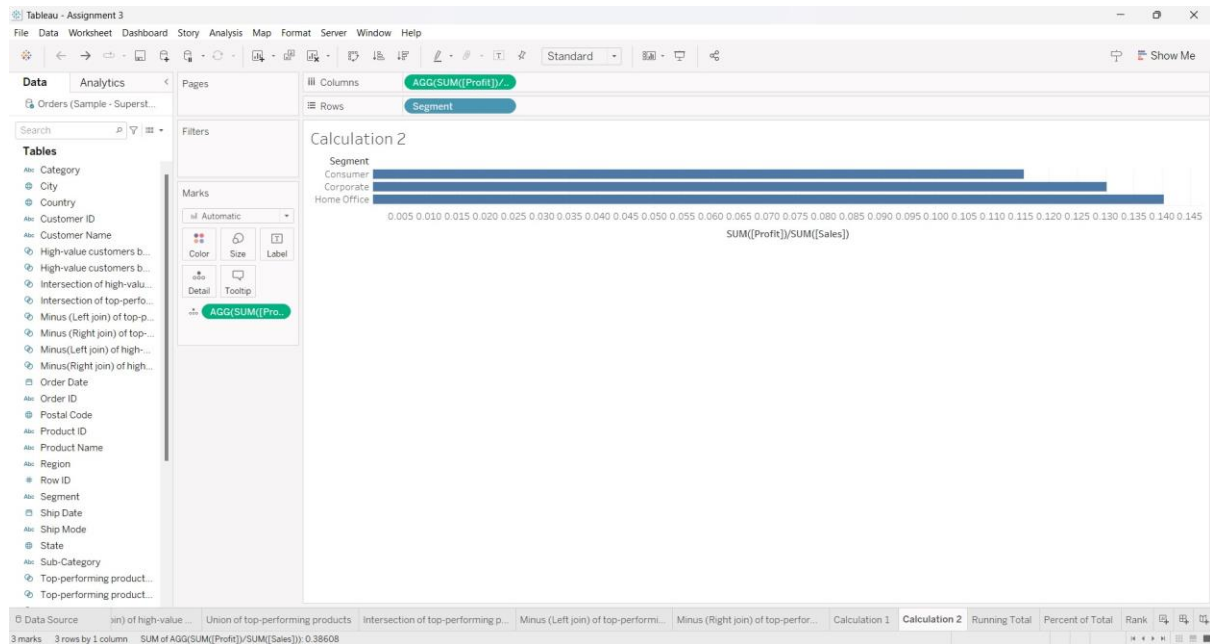
MINUS (LEFT JOIN) OF TOP-PERFORMING PRODUCTS MINUS (RIGHT JOIN) OF TOP-PERFORMING PRODUCTS



CALCULATED FIELD - 1



CALCULATED FIELD - 2



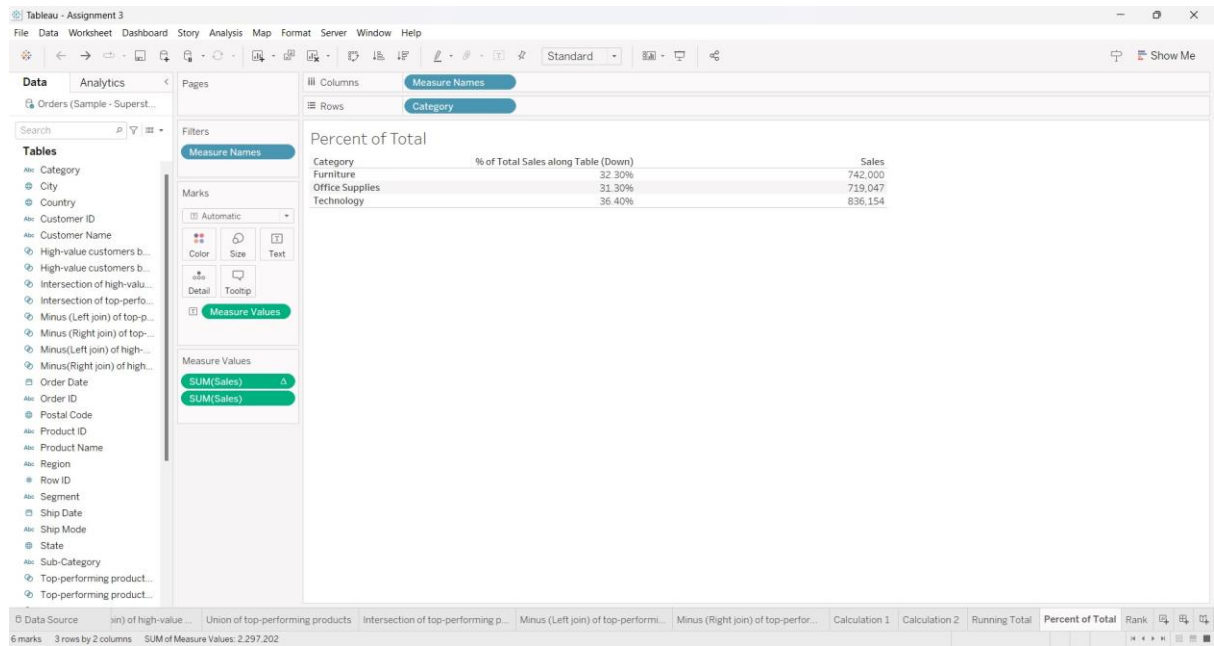
QUICK TABLE CALCULATIONS:

RUNNING TOTAL

The screenshot shows a Tableau worksheet titled "Tableau - Assignment 3". The Columns shelf contains the dimension "Year of Order Date", and the Rows shelf contains the dimension "YEAR(Order Date)". The visualization is a table titled "Running Total" showing the running sum of sales along the table (down) for the years 2014, 2015, 2016, and 2017. The table has two columns: "Running Sum of Sales along Table (Down)" and "Sales".

Year of Order Date	Running Sum of Sales along Table (Down)	Sales
2014	484,247	484,247
2015	954,780	470,533
2016	1,563,986	609,206
2017	2,297,201	733,215

PERCENT OF TOTAL



RANK

