

DATA ANALYTICS ASSIGNMENT 3

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IV BTECH

College name: VNITSW

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

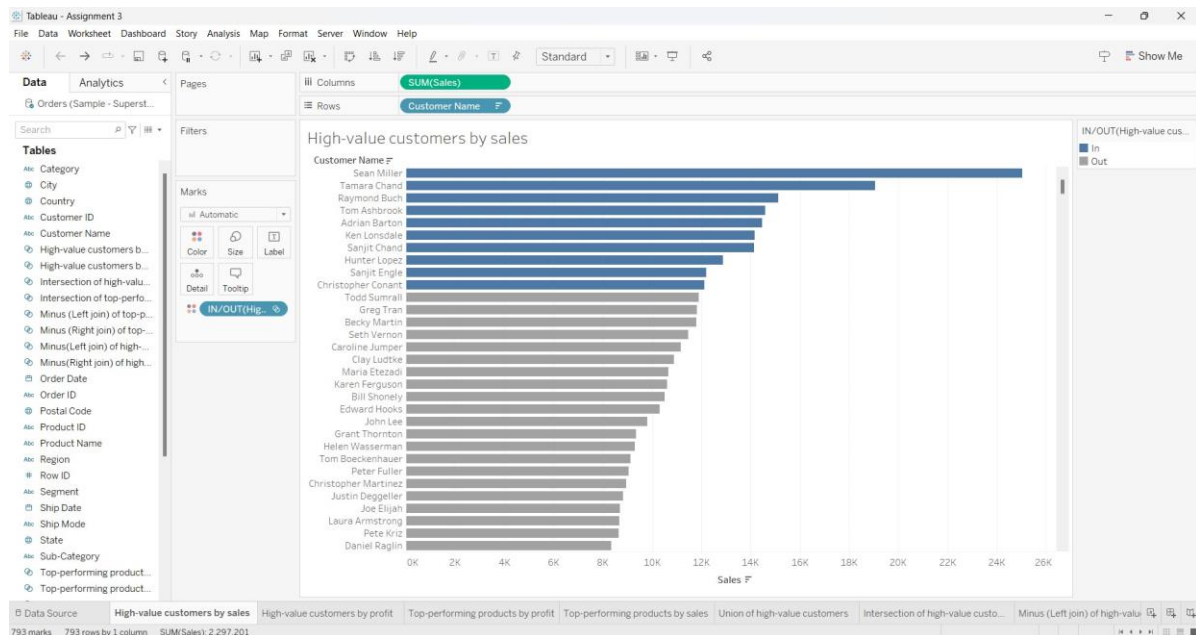


Tableau - Assignment 3

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard Show Me

Data Analytics Pages

Orders (Sample - Superstore)

Search

Tables

- Category
- City
- Country
- Customer ID
- Customer Name
- High-value customers by profit
- High-value customers by profit
- Intersection of high-value customers by profit
- Intersection of top-performing products by profit
- Minus (Left join) of top-performing products by profit
- Minus (Right join) of top-performing products by profit
- Minus (Left join) of high-value customers by profit
- Minus (Right join) of high-value customers by profit
- Order Date
- Order ID
- Postal Code
- Product ID
- Product Name
- Region
- Row ID
- Segment
- Ship Date
- Ship Mode
- State
- Sub-Category
- Top-performing product by profit
- Top-performing product by profit

Columns SUM(Profit)

Rows Customer Name

Marks

- Automatic
- Color
- Size
- Label
- Detail
- Tooltip
- IN/OUT (High-value customer)

High-value customers by profit

Customer Name

Tamara Chand
Raymond Buch
Sanjit Chand
Hunter Lopez
Adrian Barton
Tom Ashbrook
Christopher Martinez
Keith Dawkins
Andy Reiter
Daniel Raglin
Tom Boeckenhauer
Nathan Mautz
Sanjit Engle
Bill Spooner
Harry Marie
Todd Sumrall
Brian Moss
Christopher Conant
Jane Waco
Helen Wasserman
Greg Tran
Laura Armstrong
Adam Bellavance
Fred Hopkins
Pete Kriz
Steven Roelle
Shirley Daniels
Clay Ludthe
Robert Marley
Alan Dominguez
Maria Etezadi

IN/OUT (High-value customer)

- In
- Out

Profit

D Data Source High-value customers by sales High-value customers by profit Top-performing products by profit Top-performing products by sales Union of high-value customers Intersection of high-value customers Minus (Left join) of high-value customers

793 marks 793 rows by 1 column SUM(Profit): 286.397

Tableau - Assignment 3

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

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Standard

Show Me

Data Analytics Pages

Orders (Sample - Superst...

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- Customer Name
- High-value customers b...
- High-value customers b...
- Intersection of high-val...
- Intersection of top-per...
- Minus (Left join) of top...
- Minus (Right join) of top...
- 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...

Filters

Union of high-val...

Marks

All

Automatic

Color Size Label

Detail Tooltip

IN/OUT(Union of high-value customers)

Columns

SUM(Profit)

SUM(Sales)

Rows

Customer Name

Union of high-value customers

Customer Name

Profit €

Sales

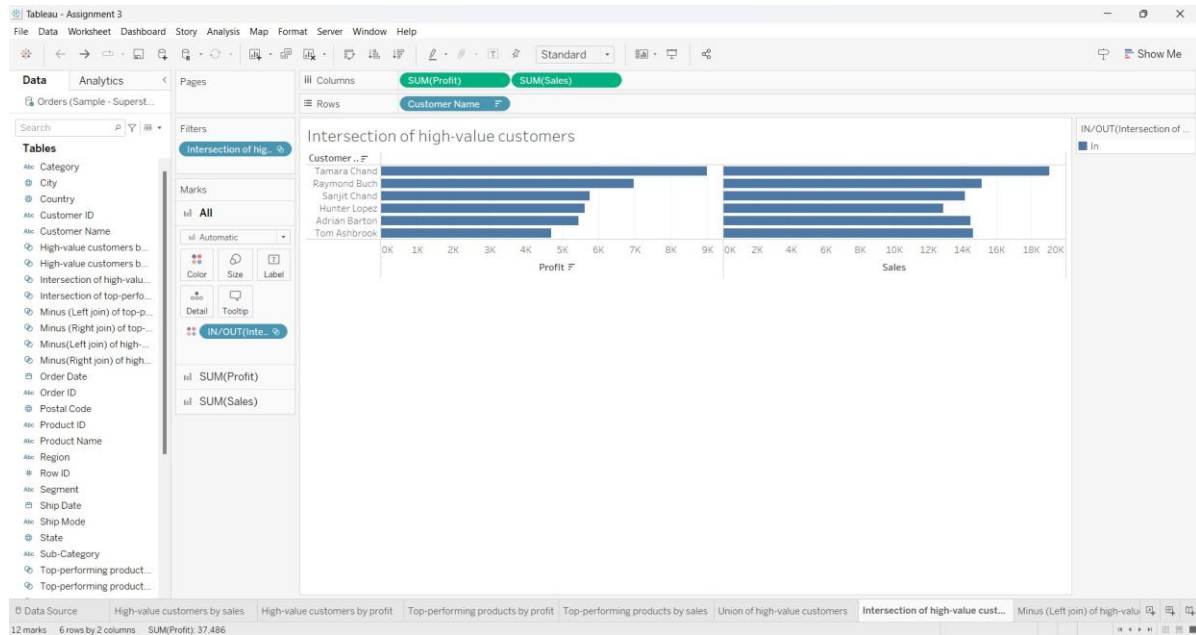
IN/OUT(Union of high-value customers)

In

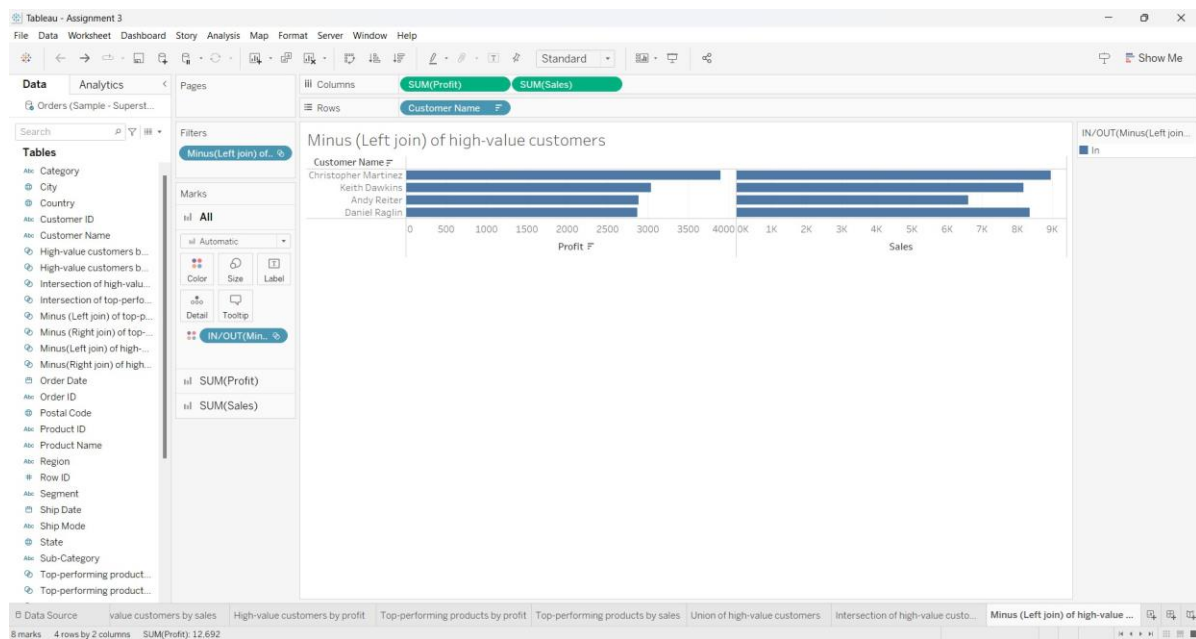
28 marks 14 rows by 2 columns SUM(Profit) 53,832

© Data Source High-value customers by sales High-value customers by profit Top-performing products by profit Top-performing products by sales Union of high-value customers Intersection of high-value customers Minus (Left join) of high-value customers

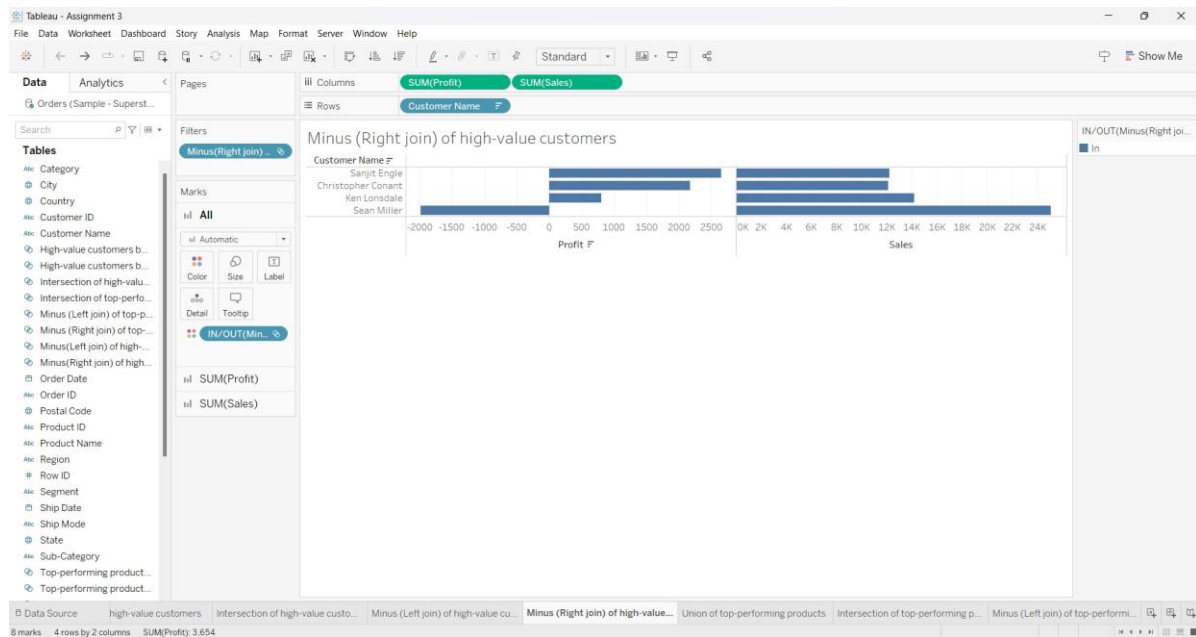
INTERSECTION OF HIGH-VALUE CUSTOMERS



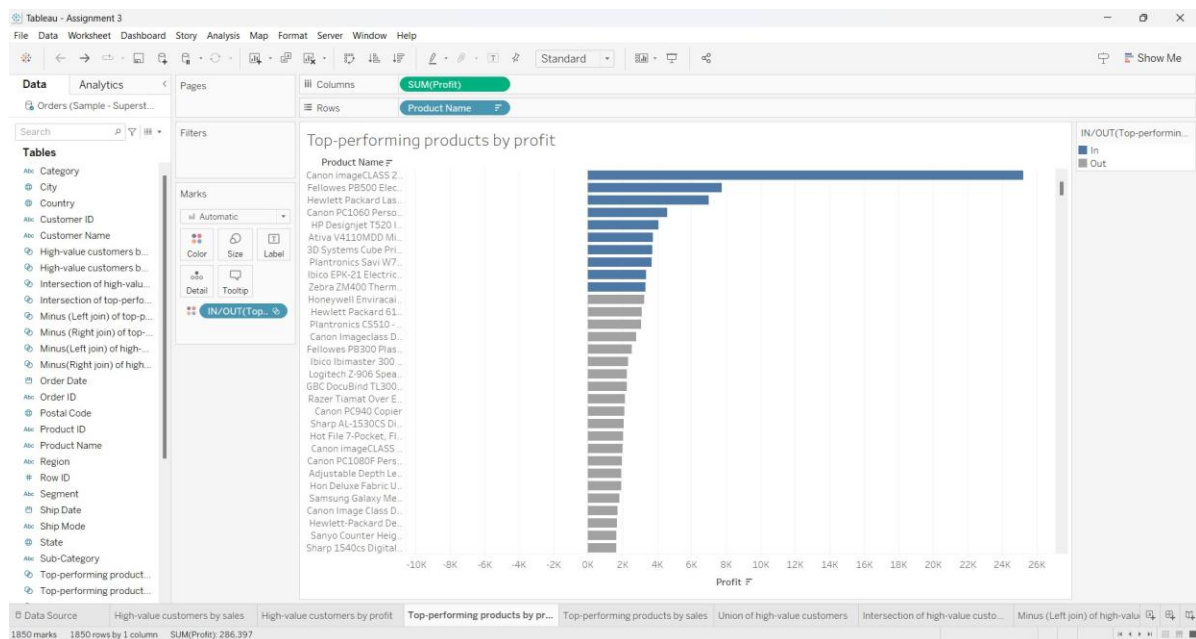
MINUS (LEFT JOIN) OF HIGH-VALUE CUSTOMERS



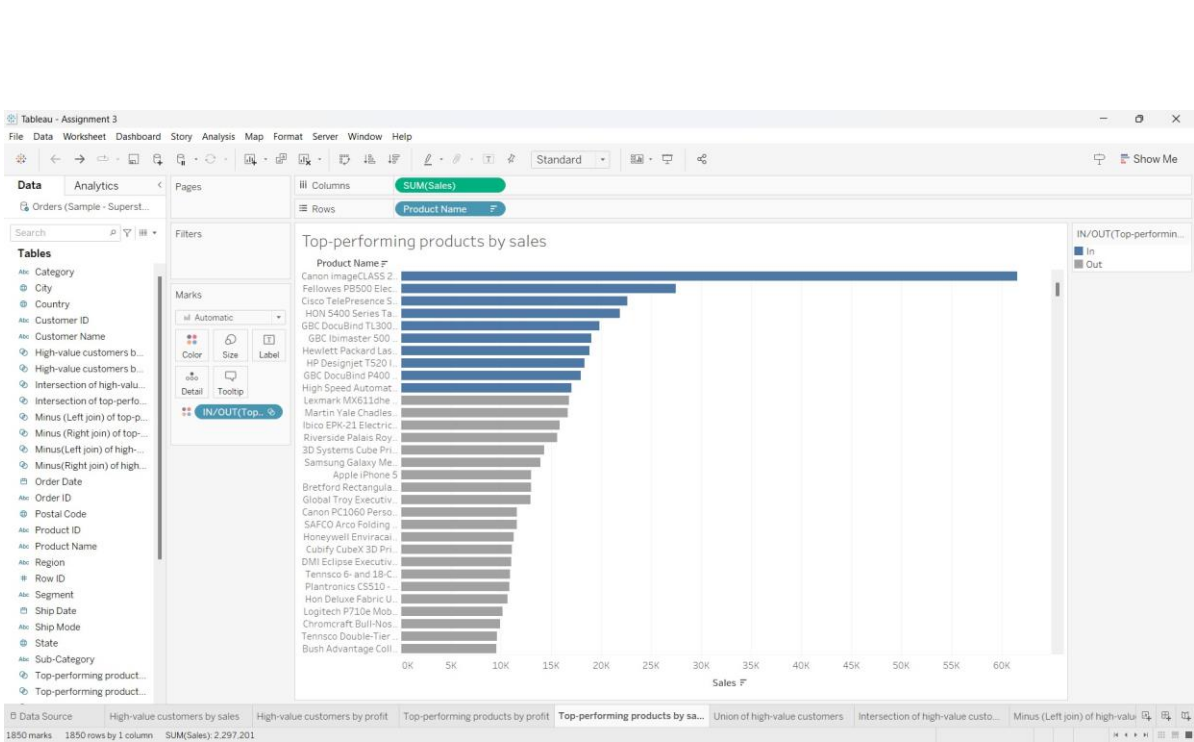
MINUS (RIGHT JOIN) OF HIGH-VALUE CUSTOMERS



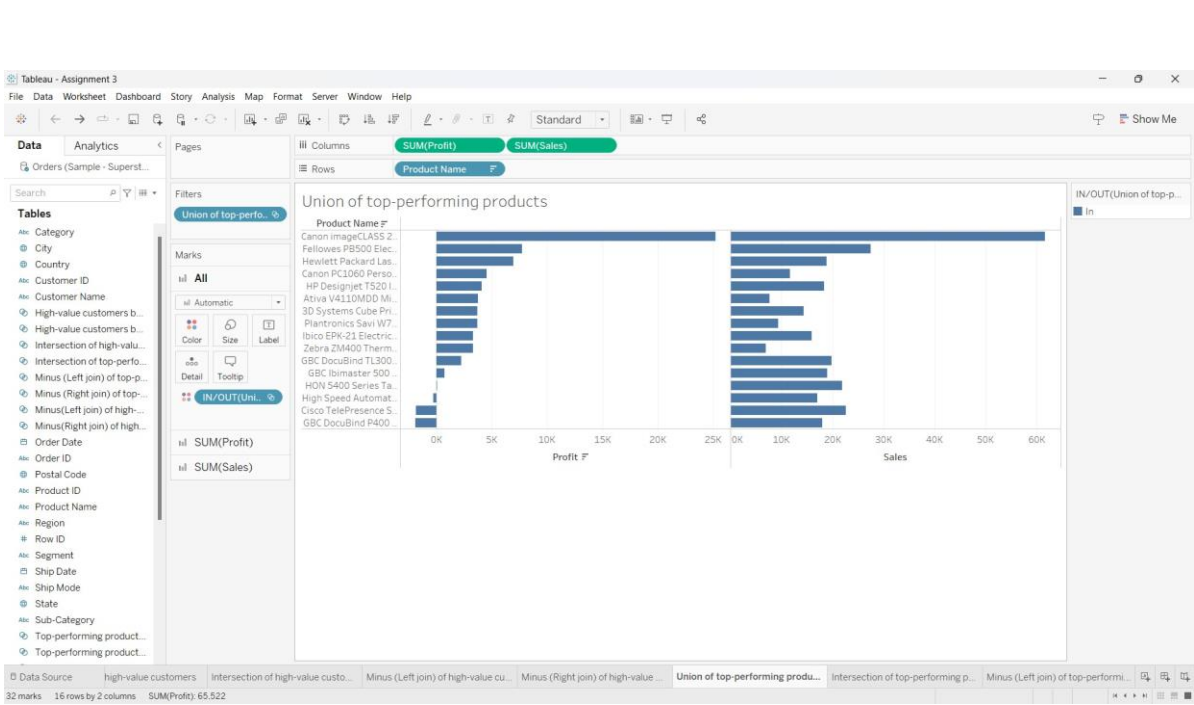
TOP-PERFORMING PRODUCTS BY PROFIT



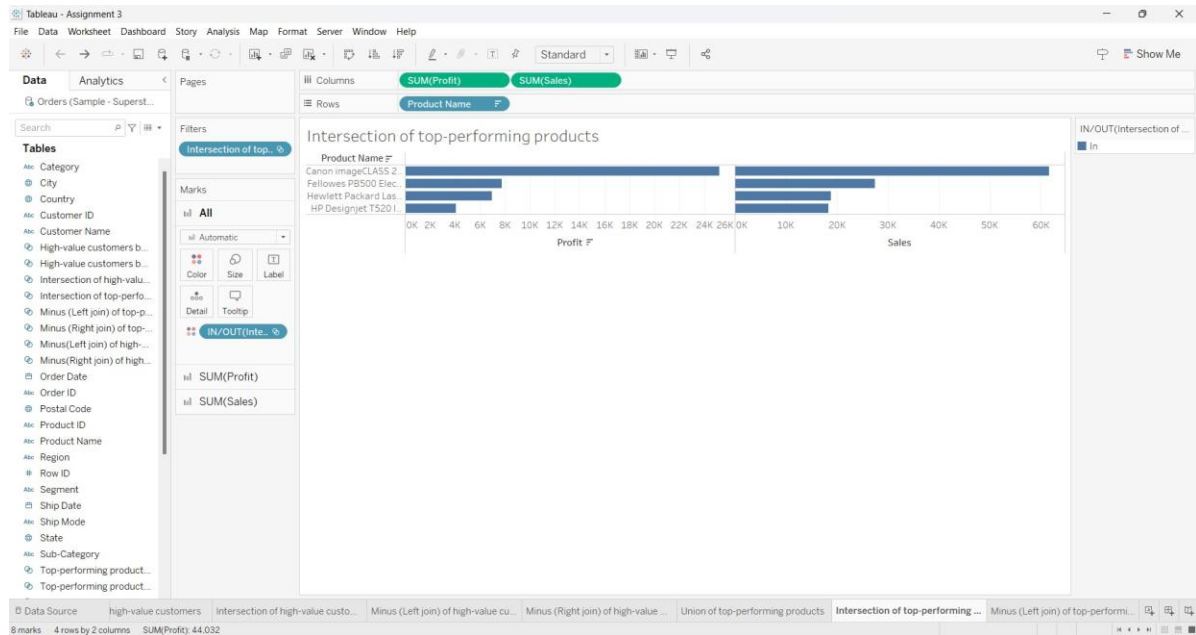
TOP-PERFORMING PRODUCTS BY SALES



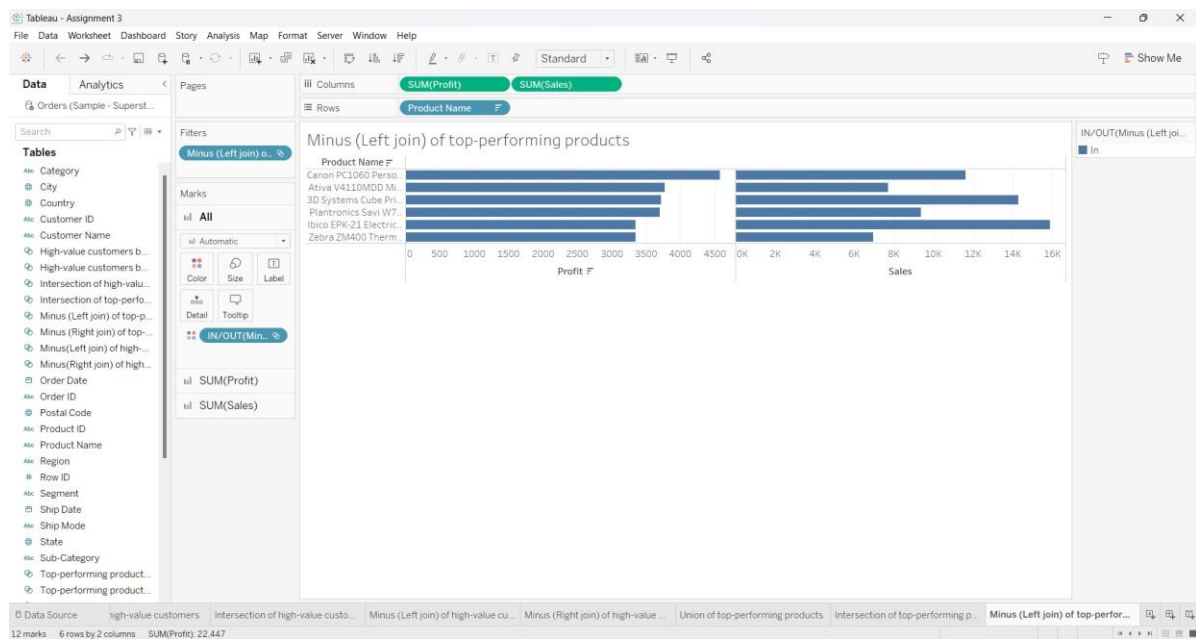
UNION OF TOP-PERFORMING PRODUCTS



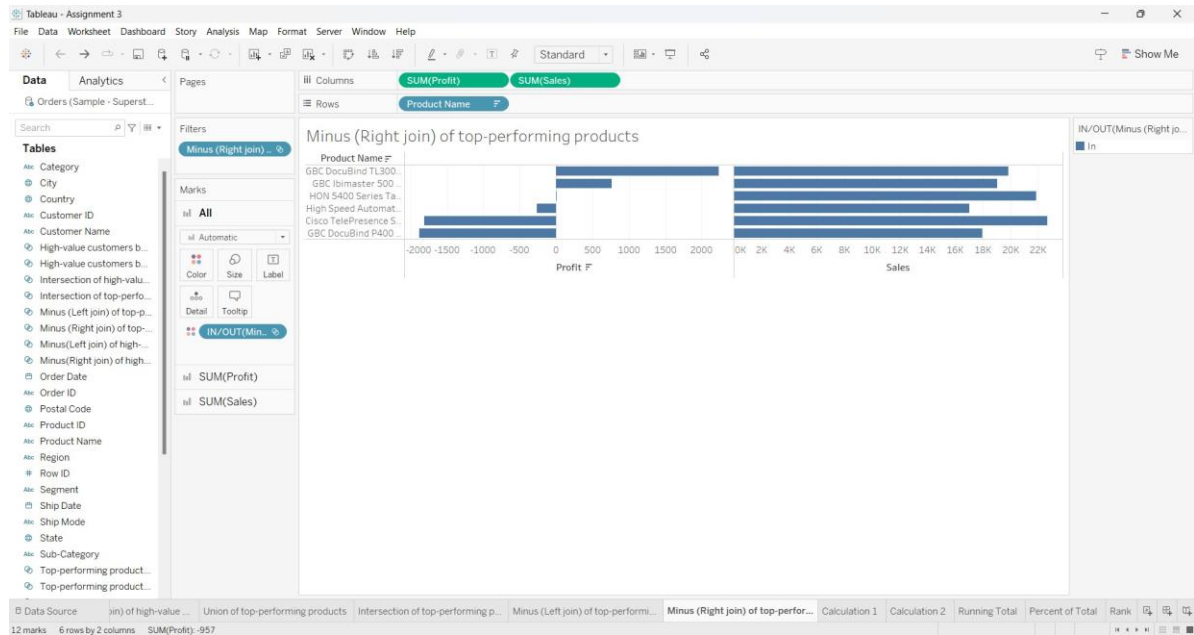
INTERSECTION OF TOP-PERFORMING PRODUCTS



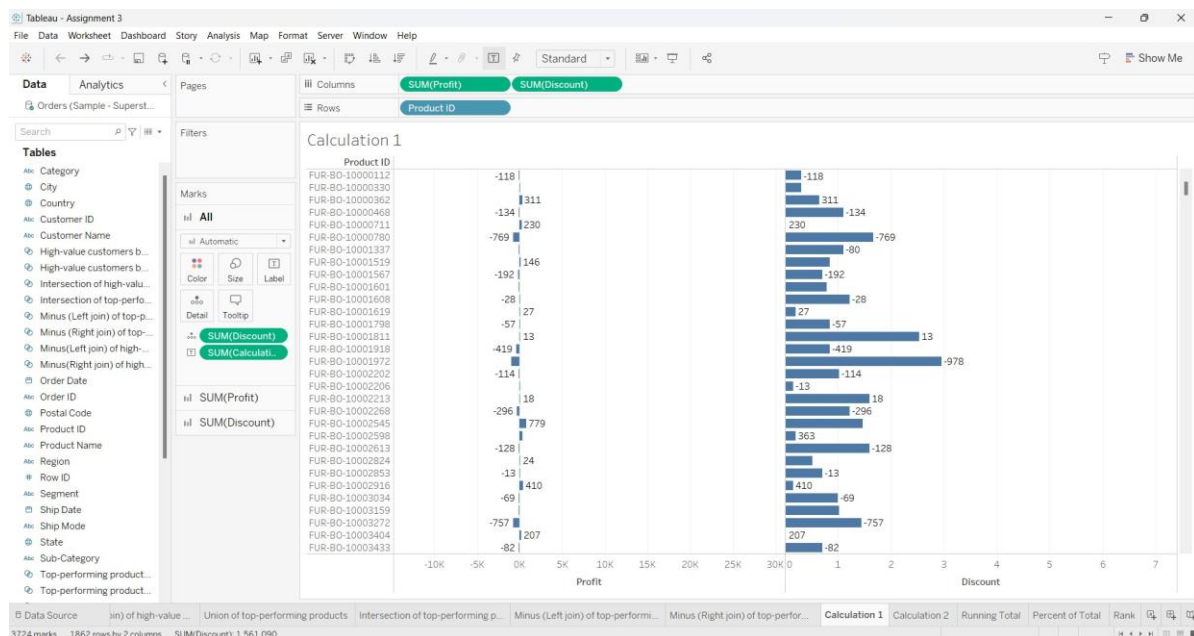
MINUS (LEFT JOIN) OF TOP-PERFORMING PRODUCTS



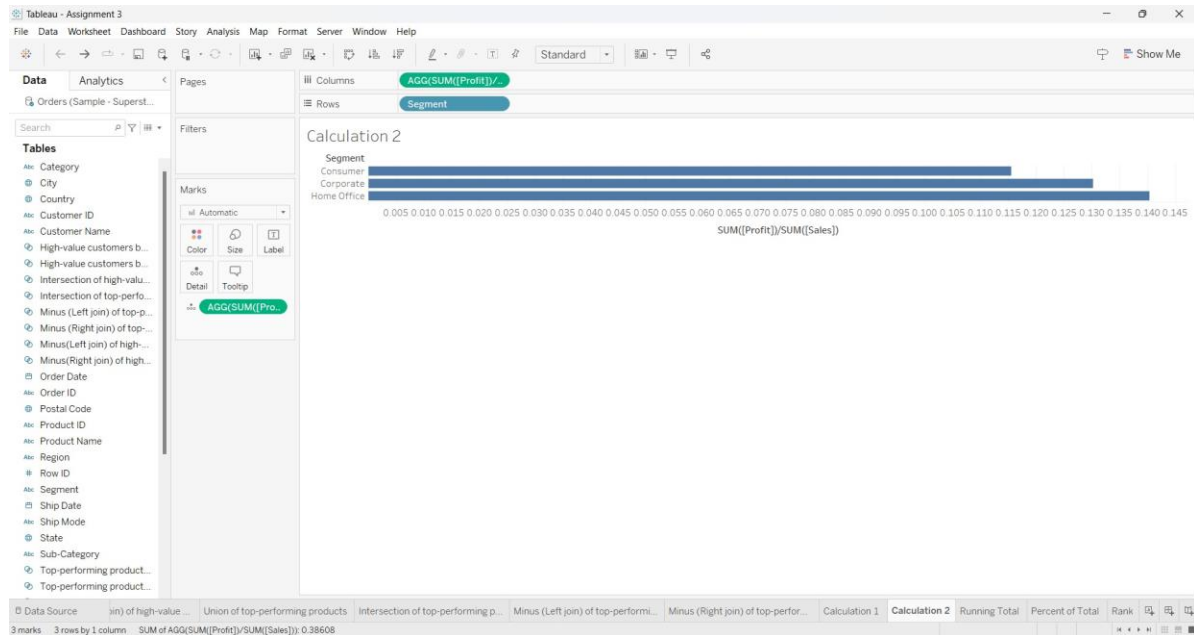
MINUS (RIGHT JOIN) OF TOP-PERFORMING PRODUCTS



CALCULATED FIELD - 1



CALCULATED FIELD - 2



QUICK TABLE

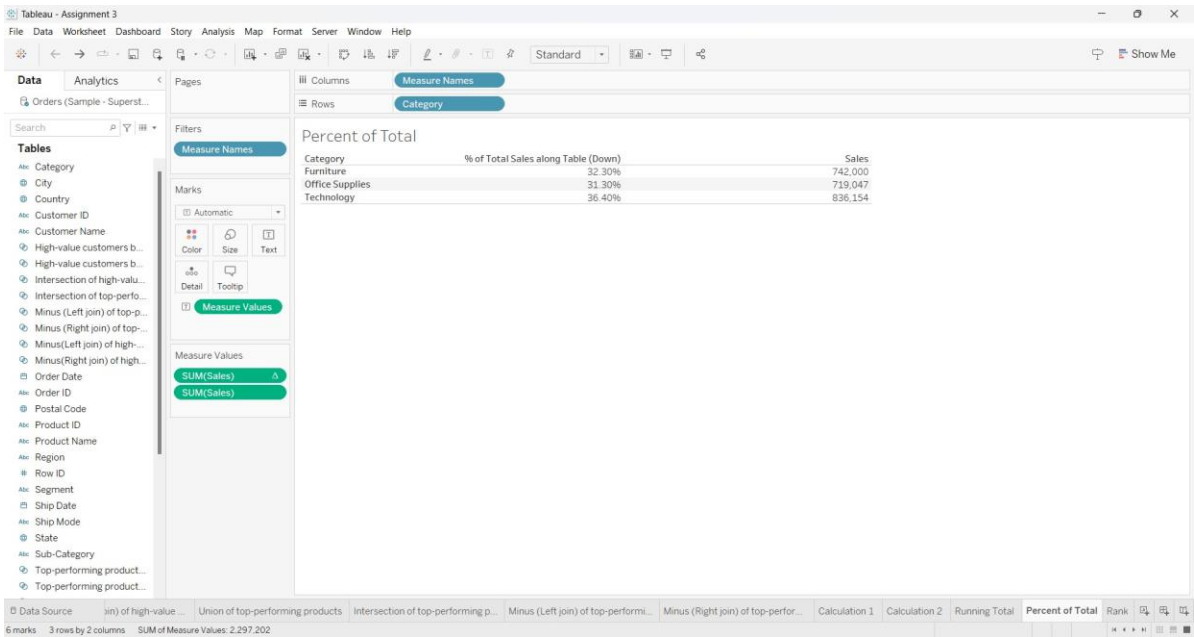
CALCULATIONS:RUNNING

TOTAL

The screenshot shows a Tableau worksheet titled "Tableau - Assignment 3". The Columns shelf contains the dimension "Measure Names", and the Rows shelf contains the dimension "YEAR(Order Date)". The view displays a "Running Total" quick table. The table shows the running sum of sales along the dimension of Year of Order Date. The measures included are SUM(Sales) and another instance of SUM(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

