

ASSIGNMENT- 3

Data Analytics with Tableau

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20NN1A05B4

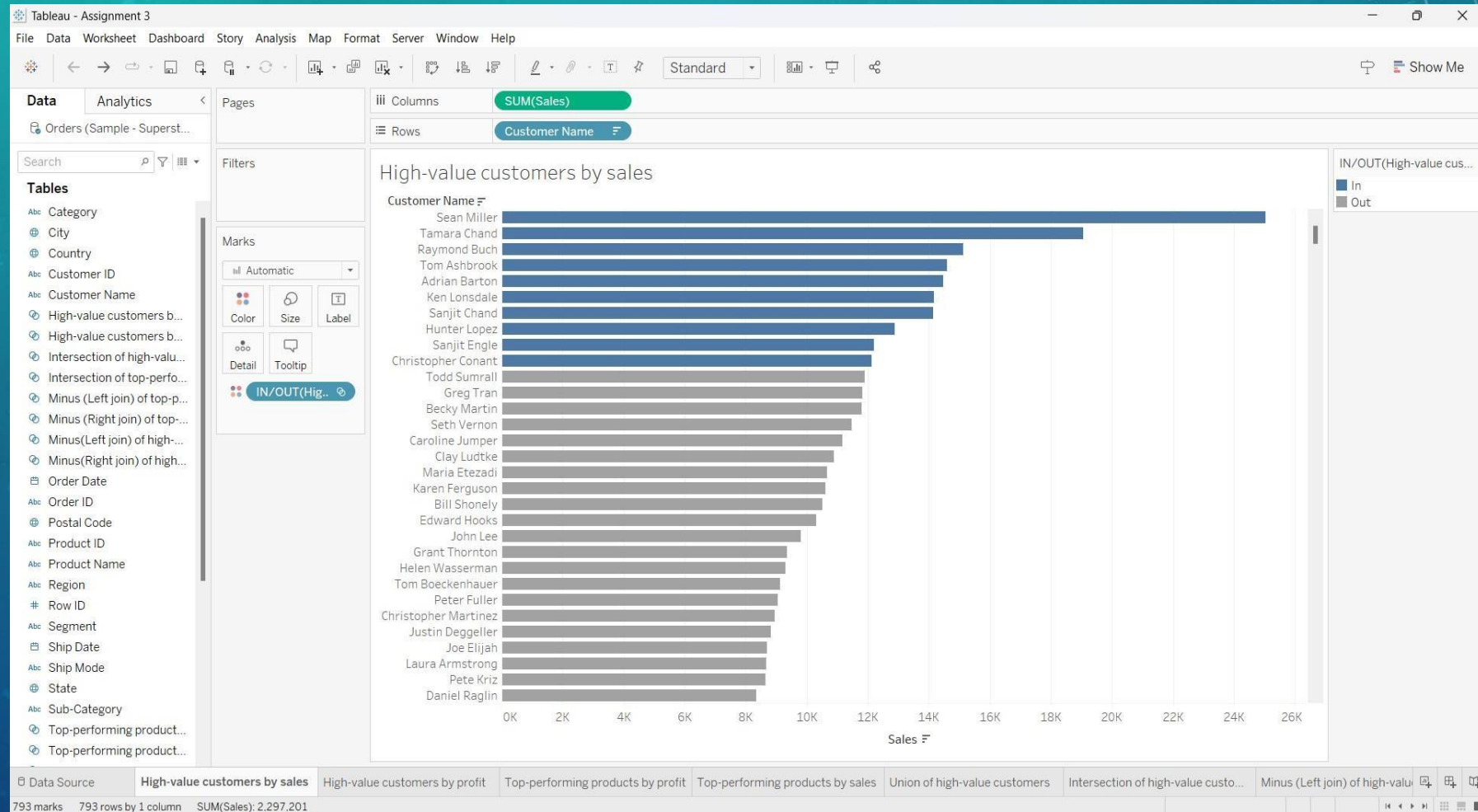
IV B.TECH (CSE)

VIGNAN'S NIRULA INSTITUTE OF TECHNOLOGY AND SCIENCE FOR
WOMEN (VNITSW)

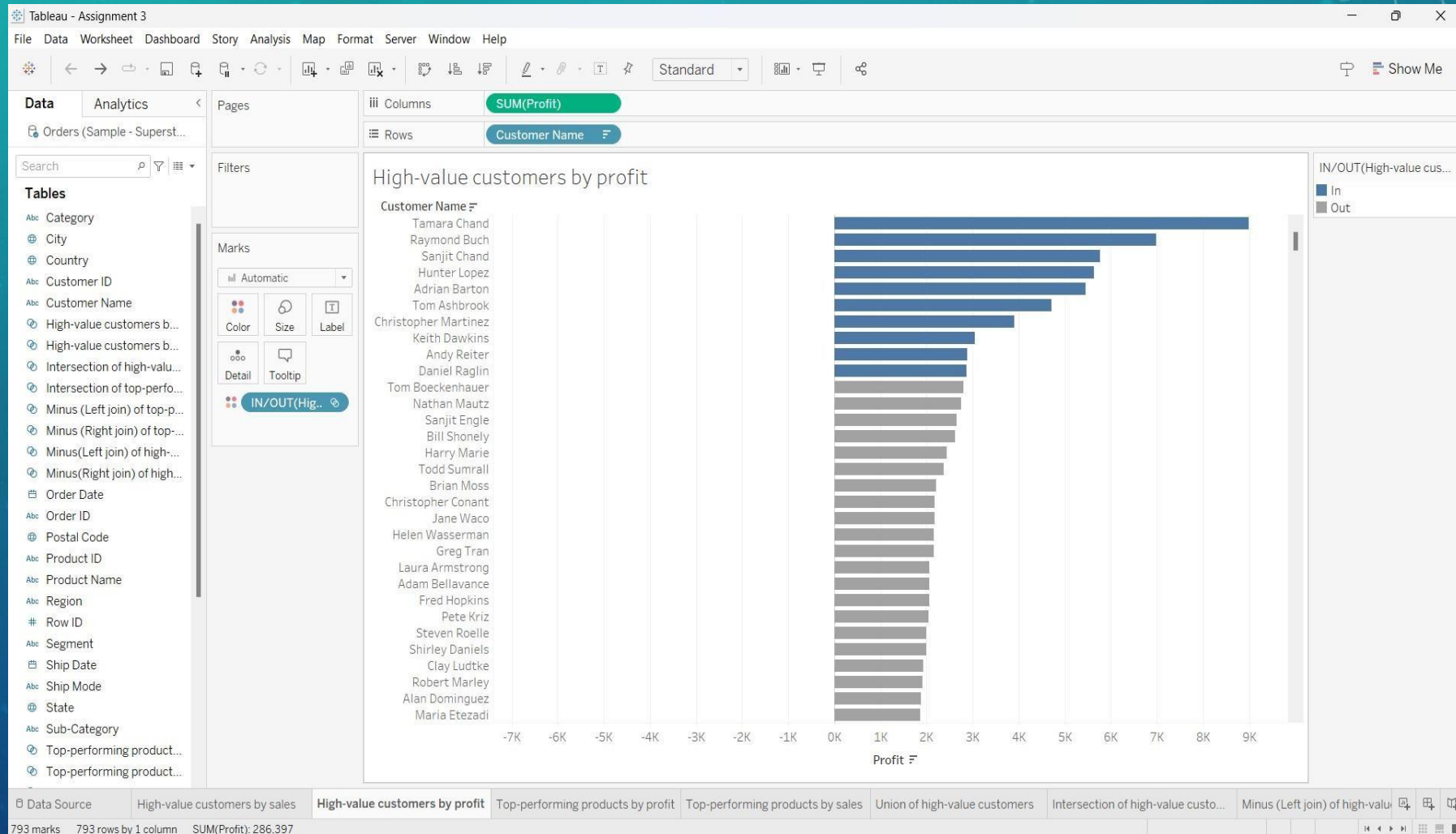
DATASET:  Sample - Superstore.xls

- Define at least two sets based on specific criteria from the dataset
(ex: high-value customers , top-performance products)
- Experiment with combining sets using UNION, INTERSECTION, and MINUS operations
- Create 2 calculation field using any aggregate function
- Create any 3 visualization using quick table calculations

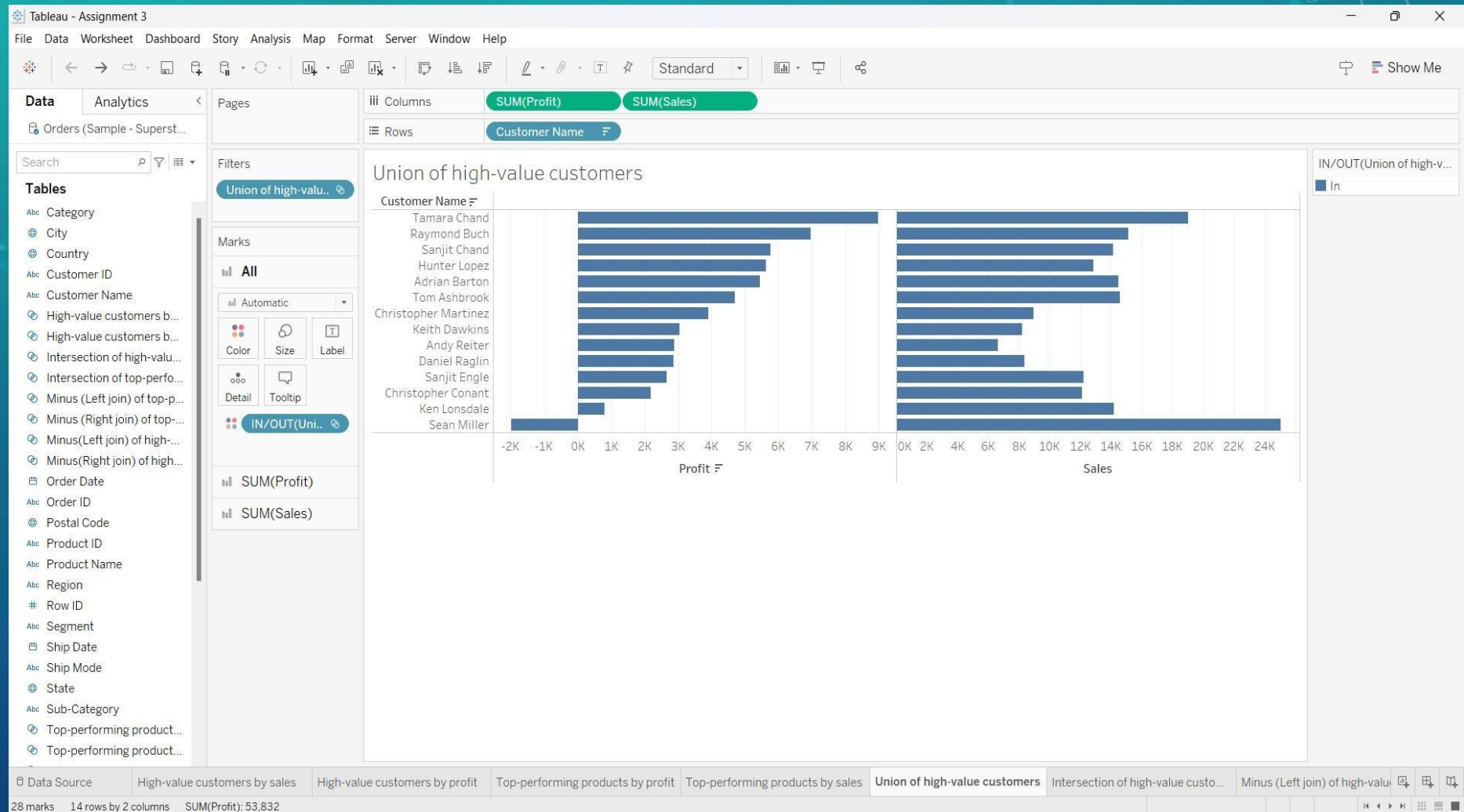
High-value customers by sales



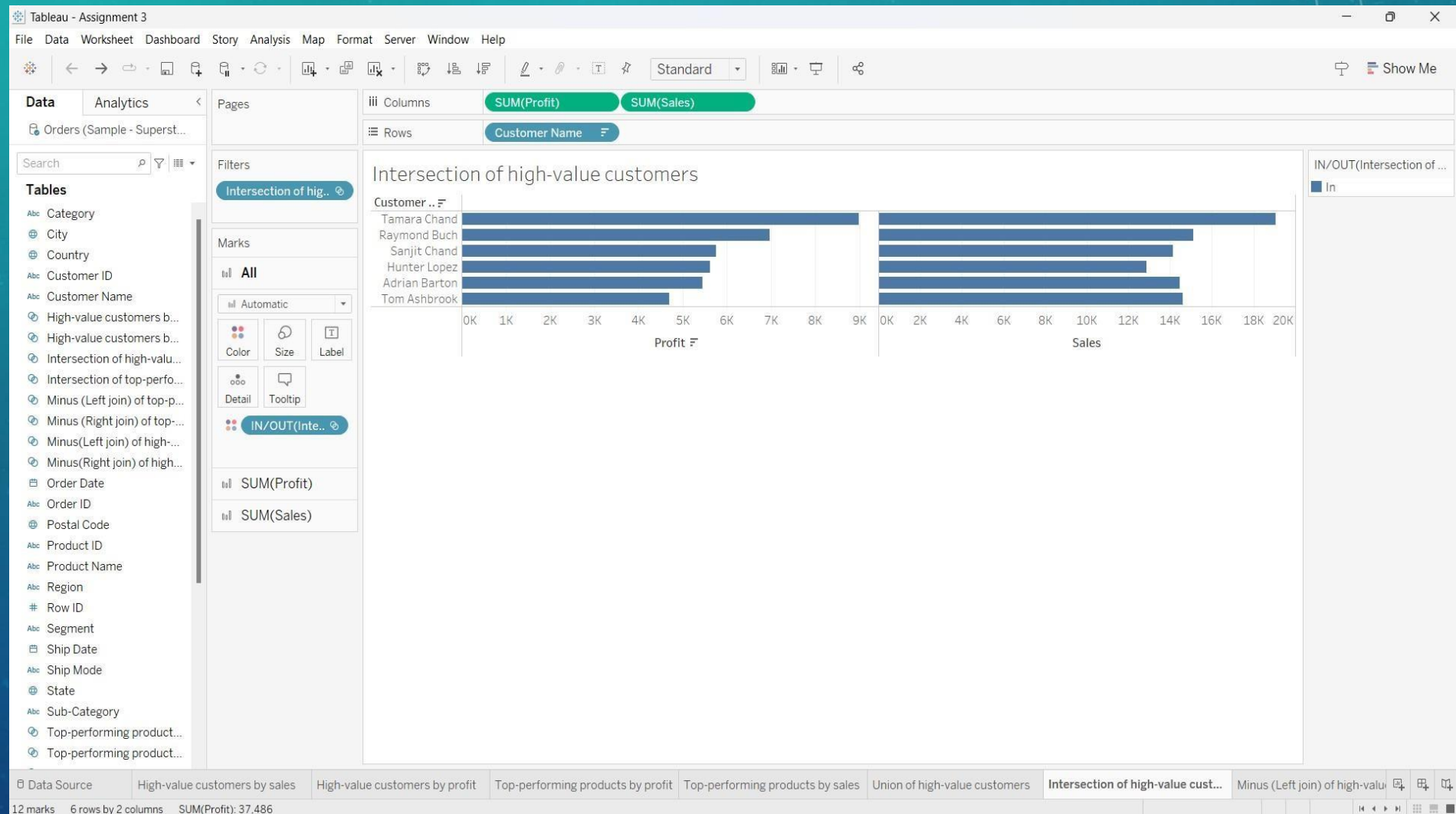
High-value by profits



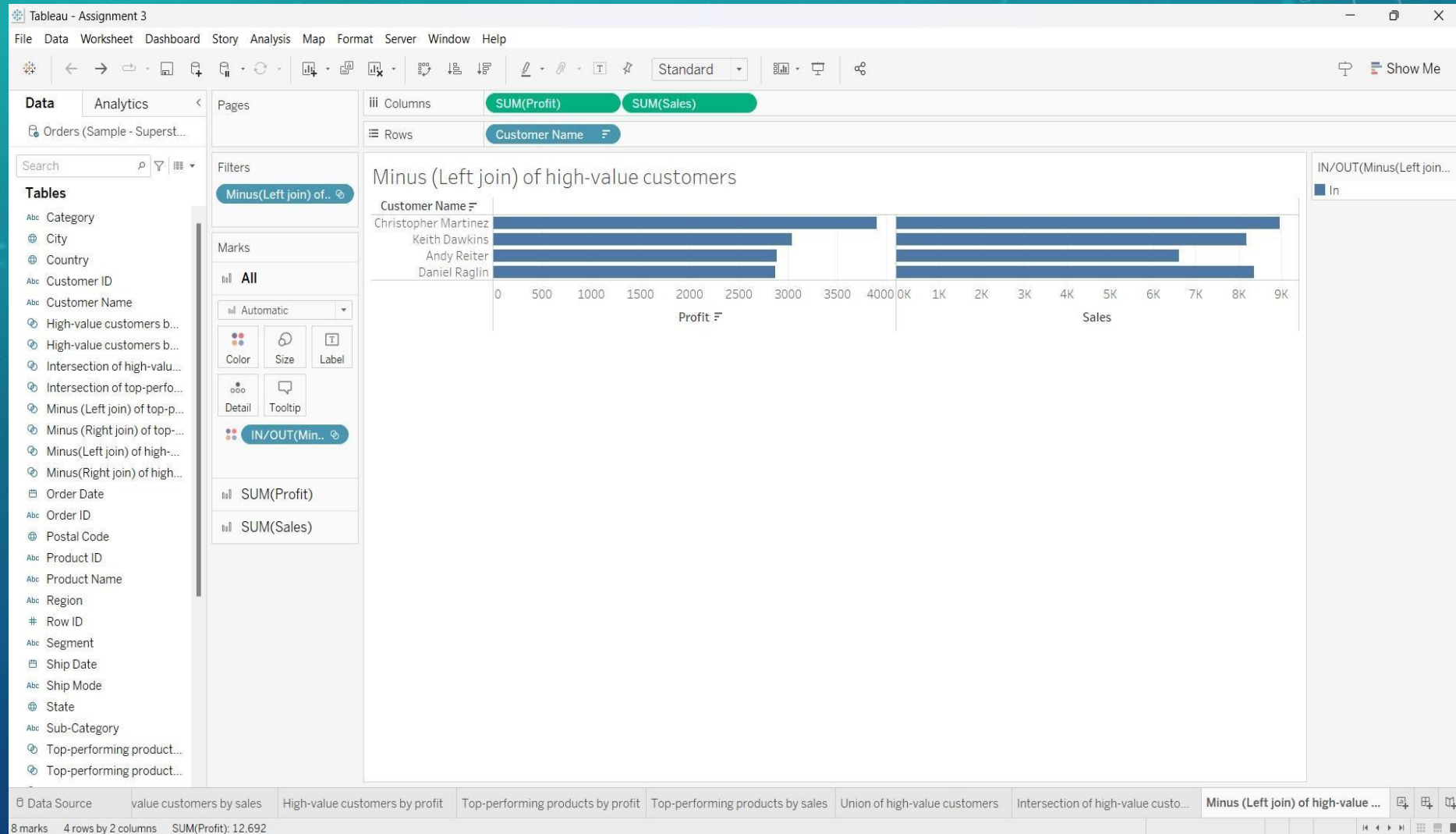
Union of high-value customers



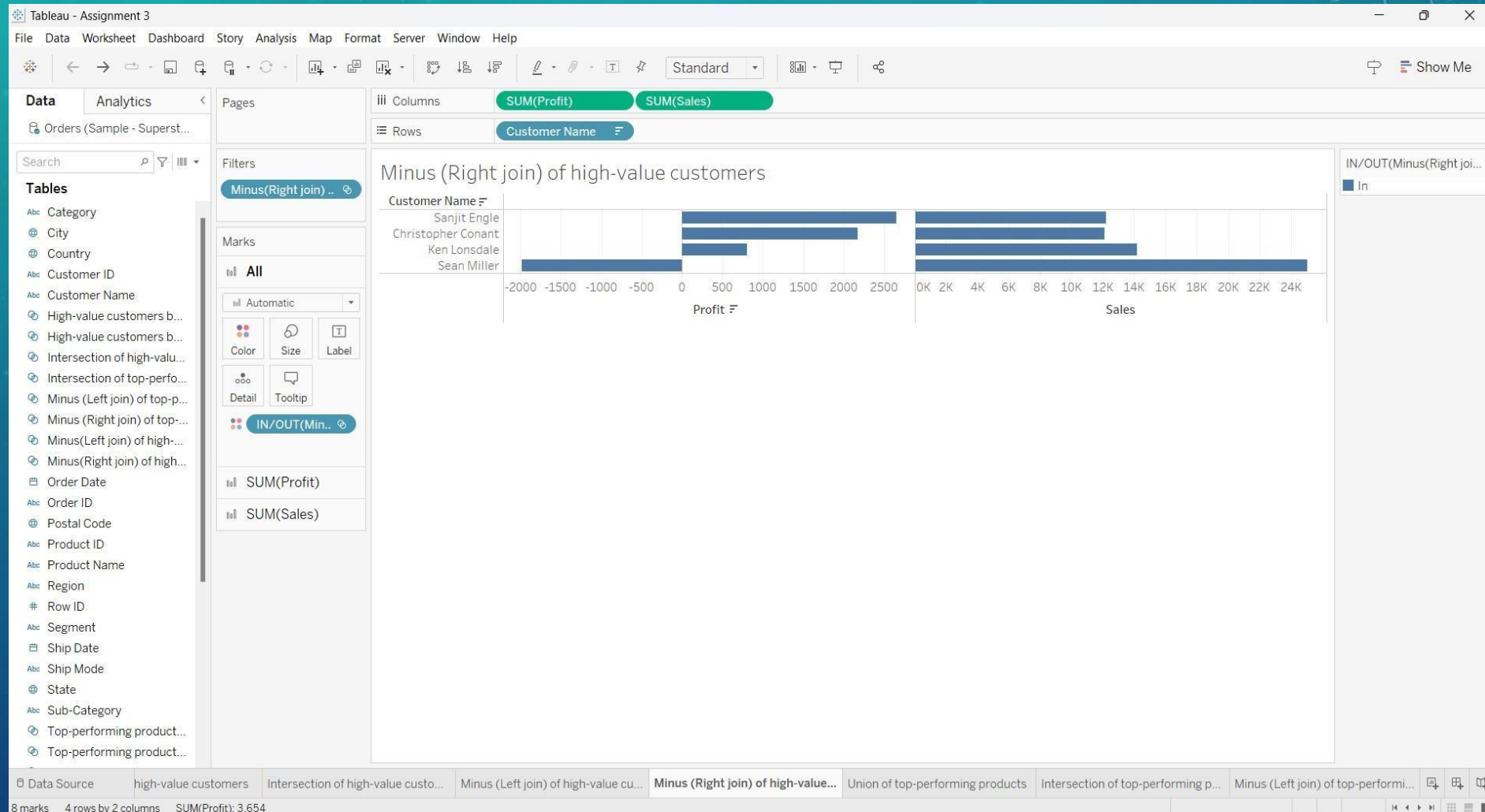
Intersection of High-Value Customers



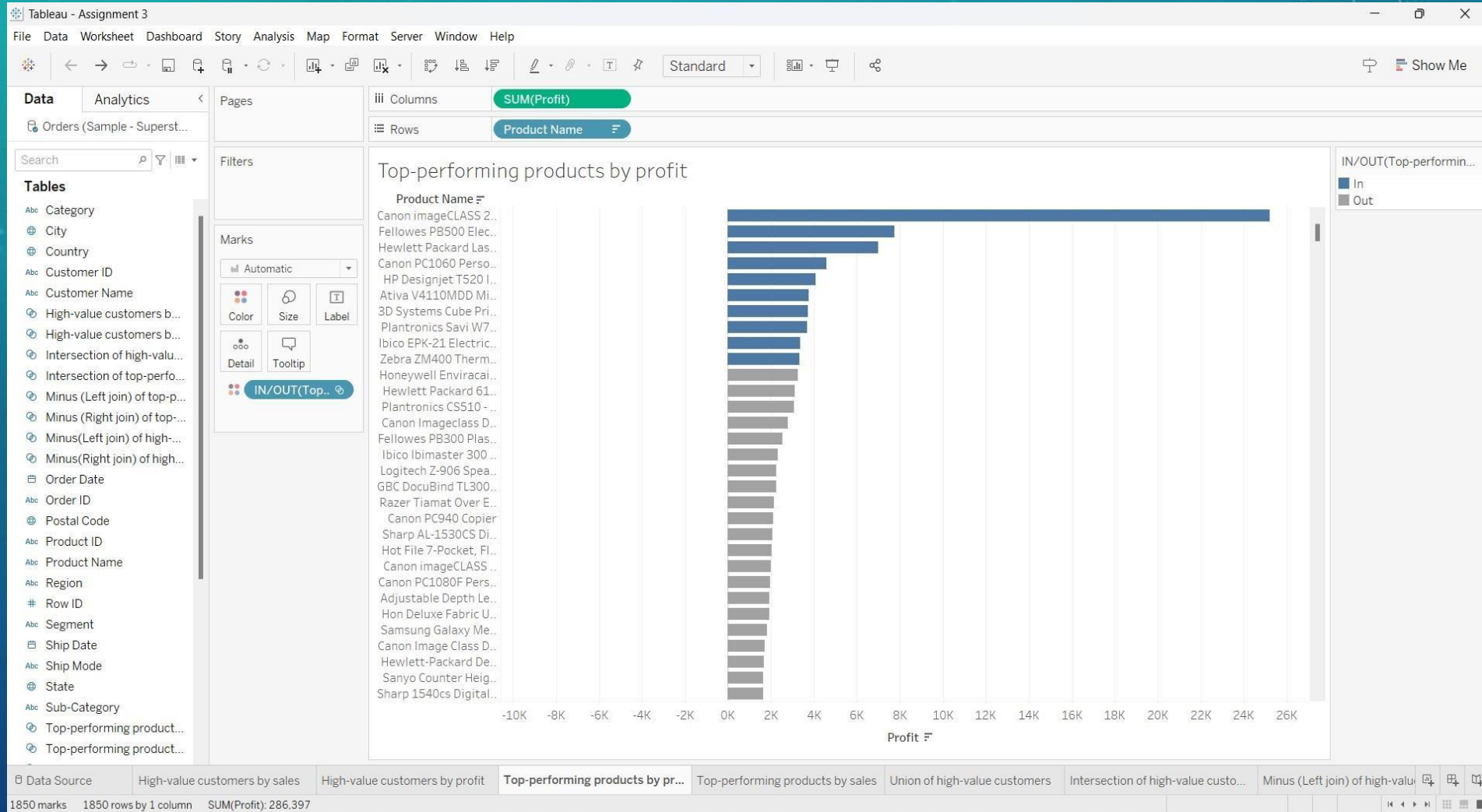
Minus(left-join) of High-value Customer



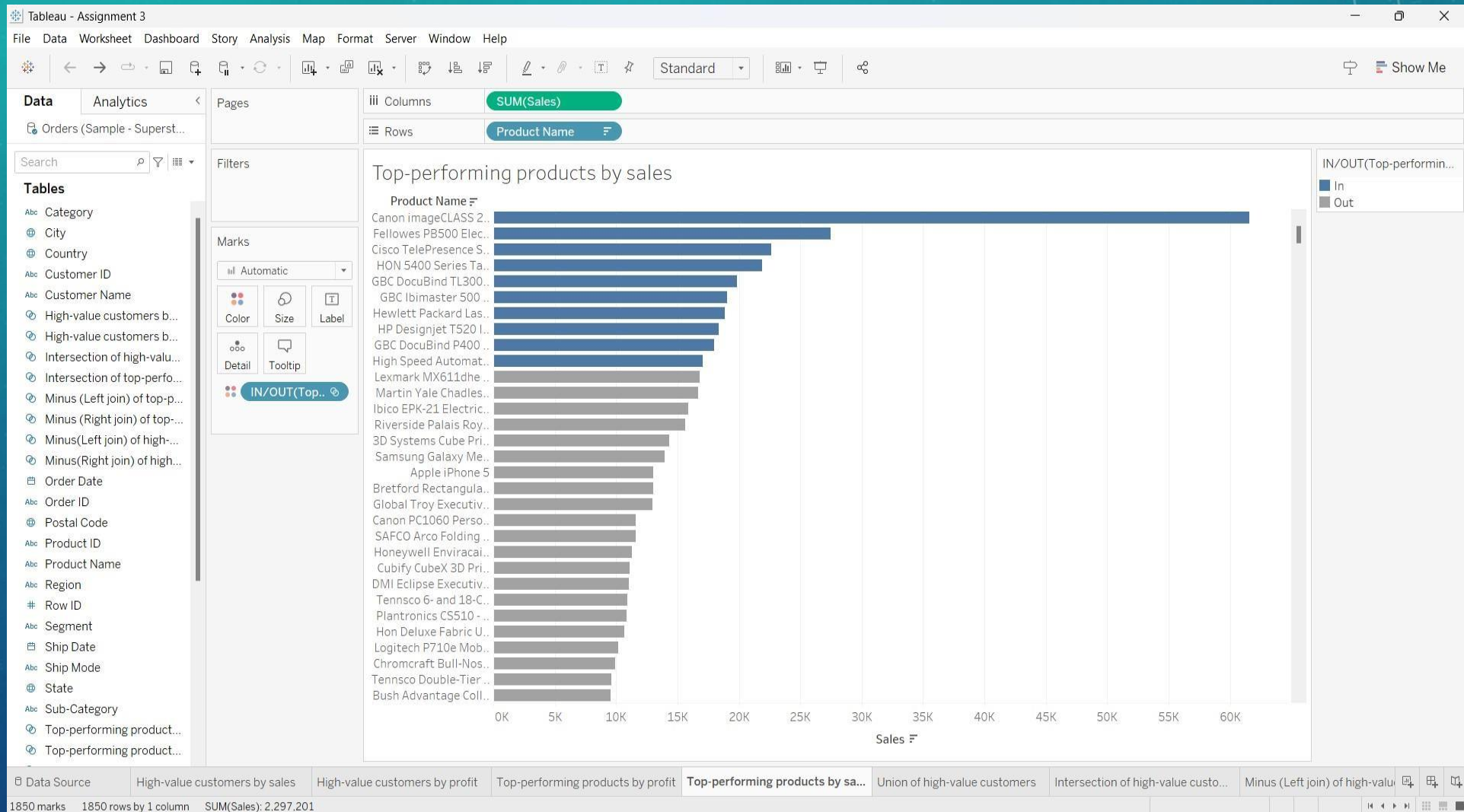
Minus(right join) of High-Value Customers



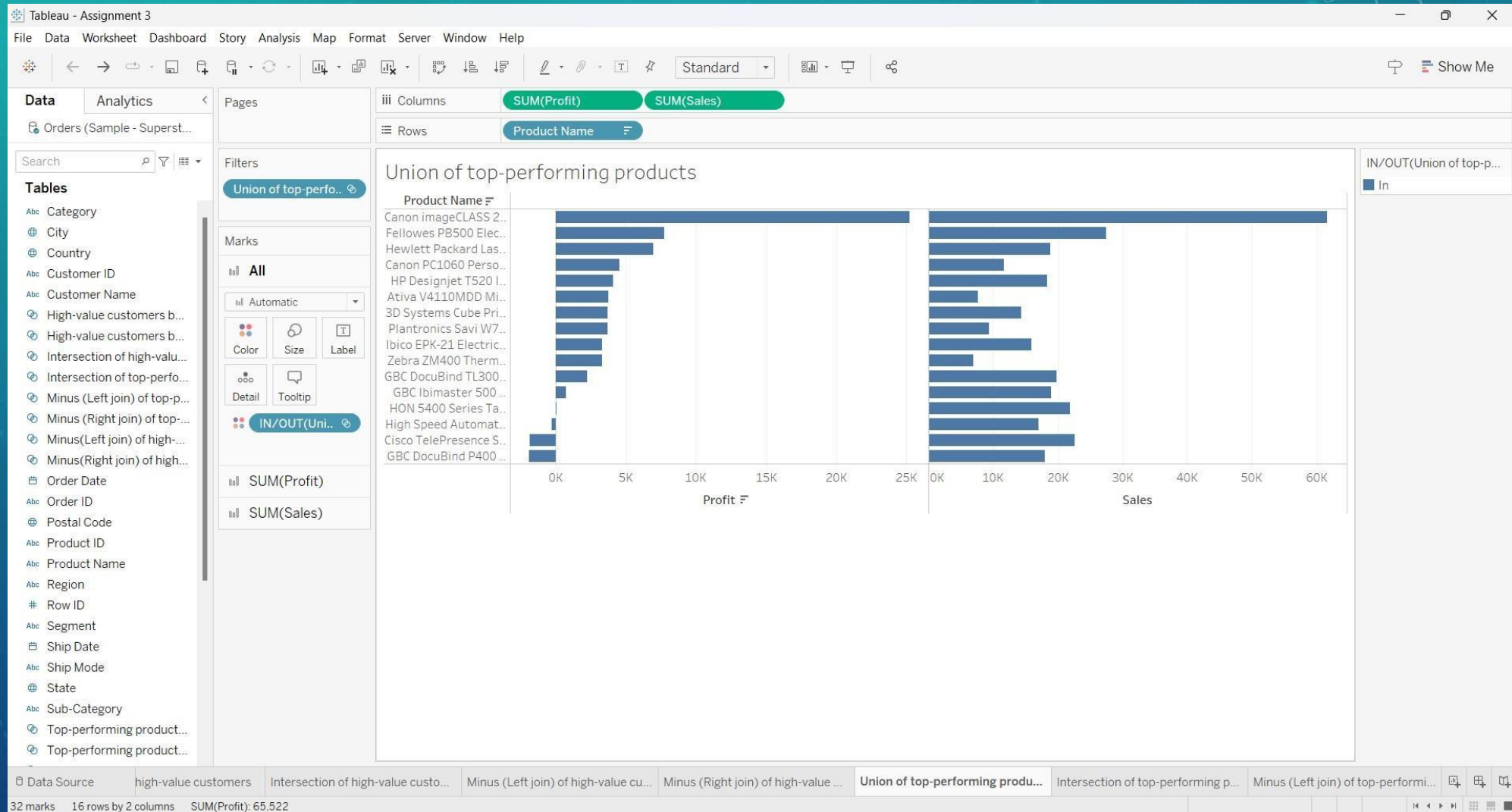
Top-Performing products by profit



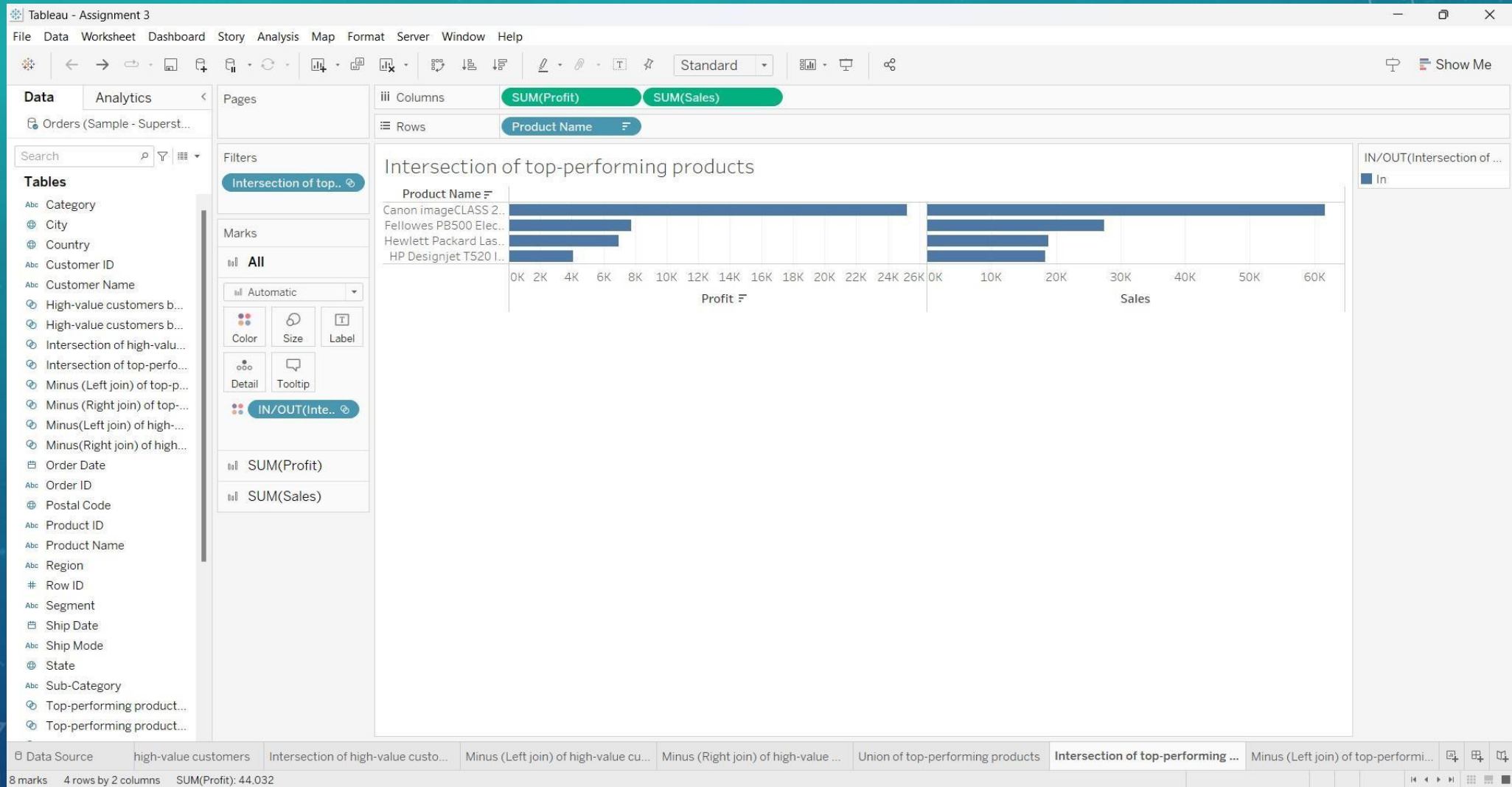
Top performing products by sales



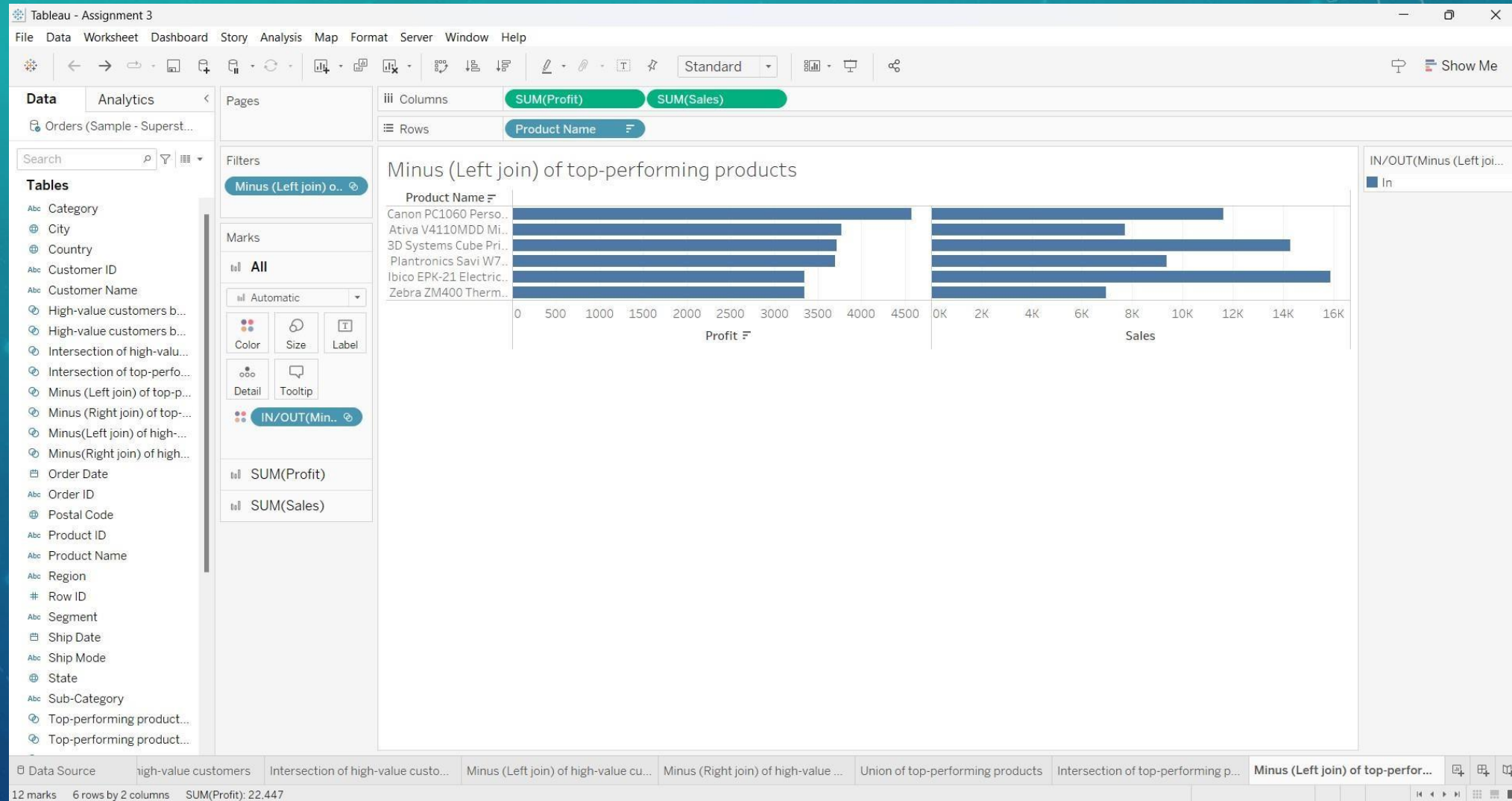
Union of top performing products



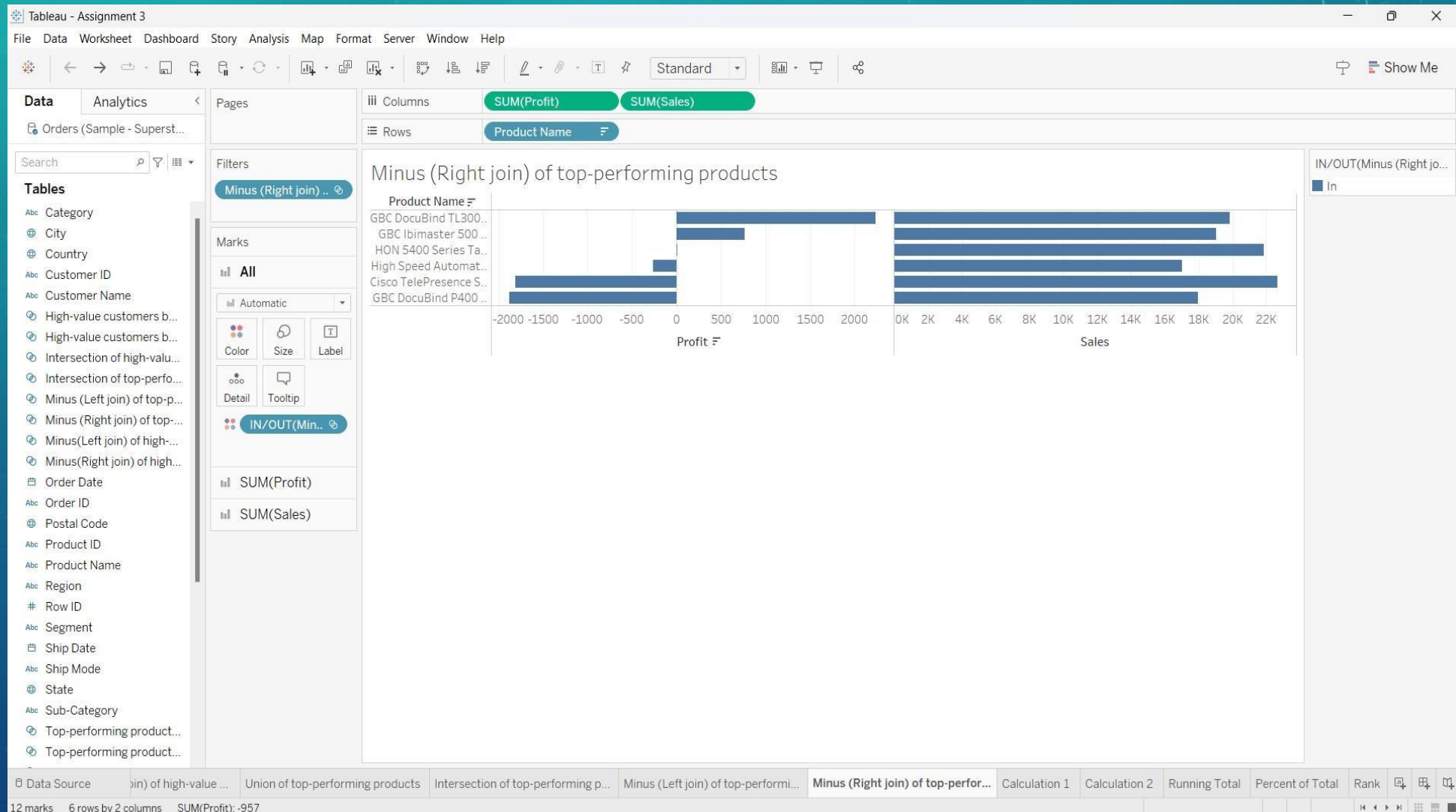
Intersection of top-performing products



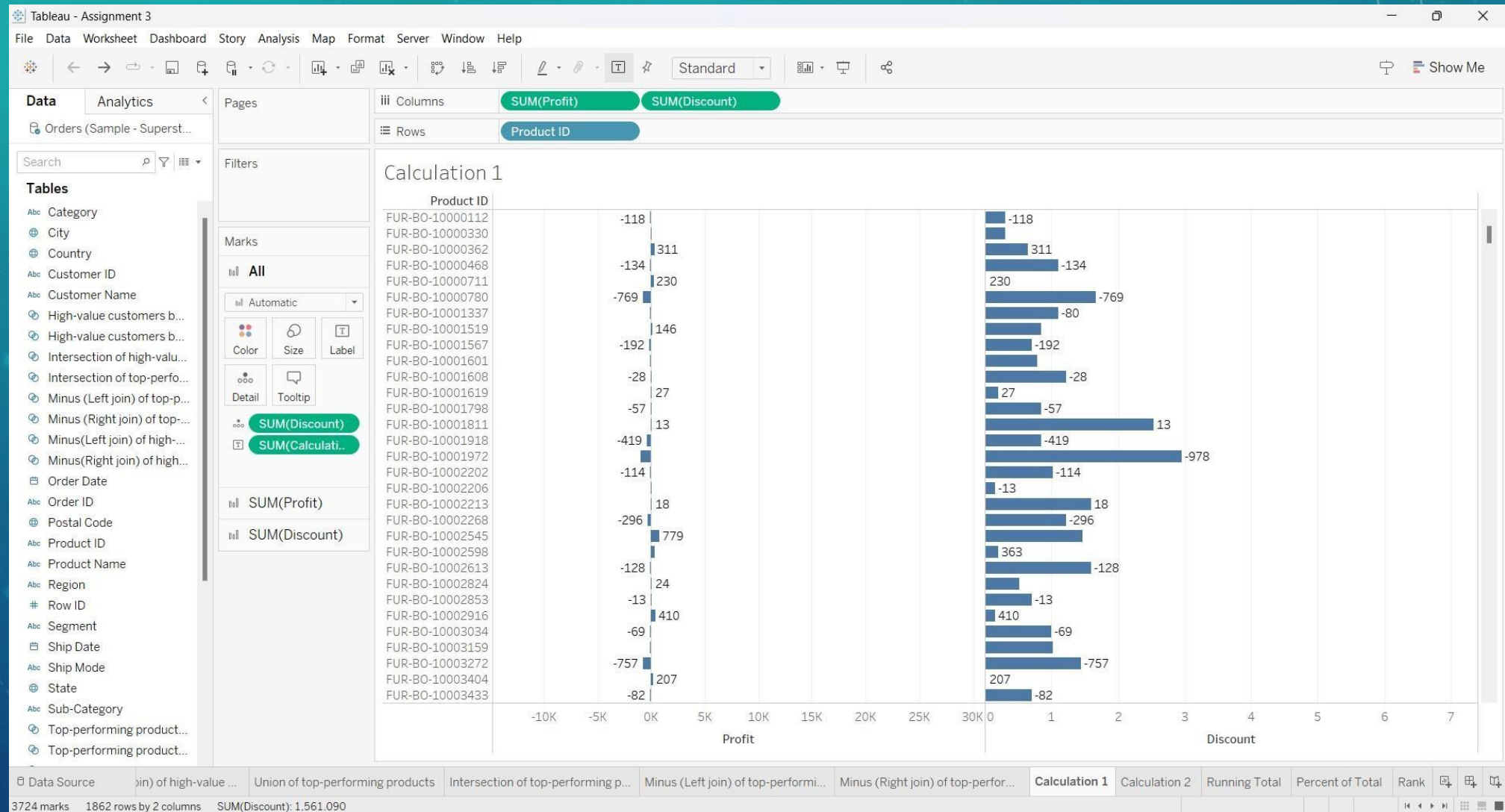
Minus(left-join) of top-performing products



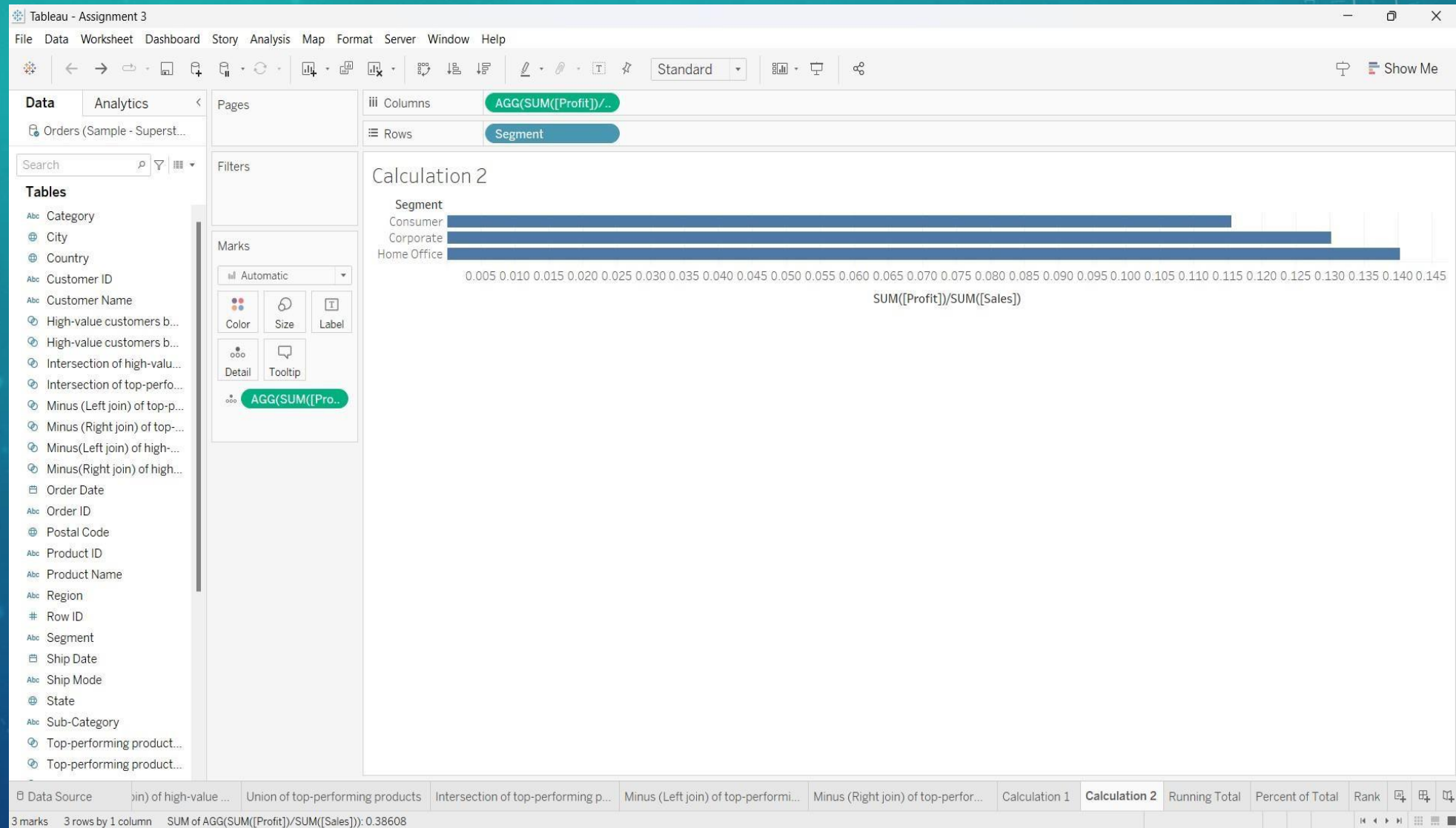
Minus(right-join) of top performing products



Calculation 1



Calculation 2



Running Total

Tableau - Assignment 3

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard

Show Me

Data Analytics

Orders (Sample - Superst...)

Search

Tables

- Category
- City
- Country
- Customer ID
- Customer Name
- High-value customers b...
- High-value customers b...
- Intersection of high-valu...
- Intersection of top-perfo...
- Minus (Left join) of top-p...
- 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

Measure Names

Marks

Automatic

Color Size Text

Detail Tooltip

Measure Values

Measure Values

SUM(Sales) Δ

SUM(Sales)

Columns

Measure Names

Rows

YEAR(Order Date)

Running Total

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

Data Source (in) of high-value ... Union of top-performing products Intersection of top-performing p... Minus (Left join) of top-perform... Minus (Right join) of top-perfor... Calculation 1 Calculation 2 Running Total Percent of Total Rank

8 marks 4 rows by 2 columns SUM of Measure Values: 7.597.415

Percent of Total

Tableau - Assignment 3

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SUM(Sales) SUM(Sales)

Columns

Measure Names

Rows

Category

Percent of Total

Category	% of Total Sales along Table (Down)	Sales
Furniture	32.30%	742,000
Office Supplies	31.30%	719,047
Technology	36.40%	836,154

6 marks 3 rows by 2 columns SUM of Measure Values: 2,297,202

Percent of Total Rank

Rank

Tableau - Assignment 3

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SUM(Sales) SUM(Sales)

Columns

Measure Names

Rows

Region

Rank

Region	Rank of Sales along Table (Down)	Sales
Central	3	501,240
East	2	678,781
South	4	391,722
West	1	725,458

8 marks 4 rows by 2 columns SUM of Measure Values: 2,297,211

Rank