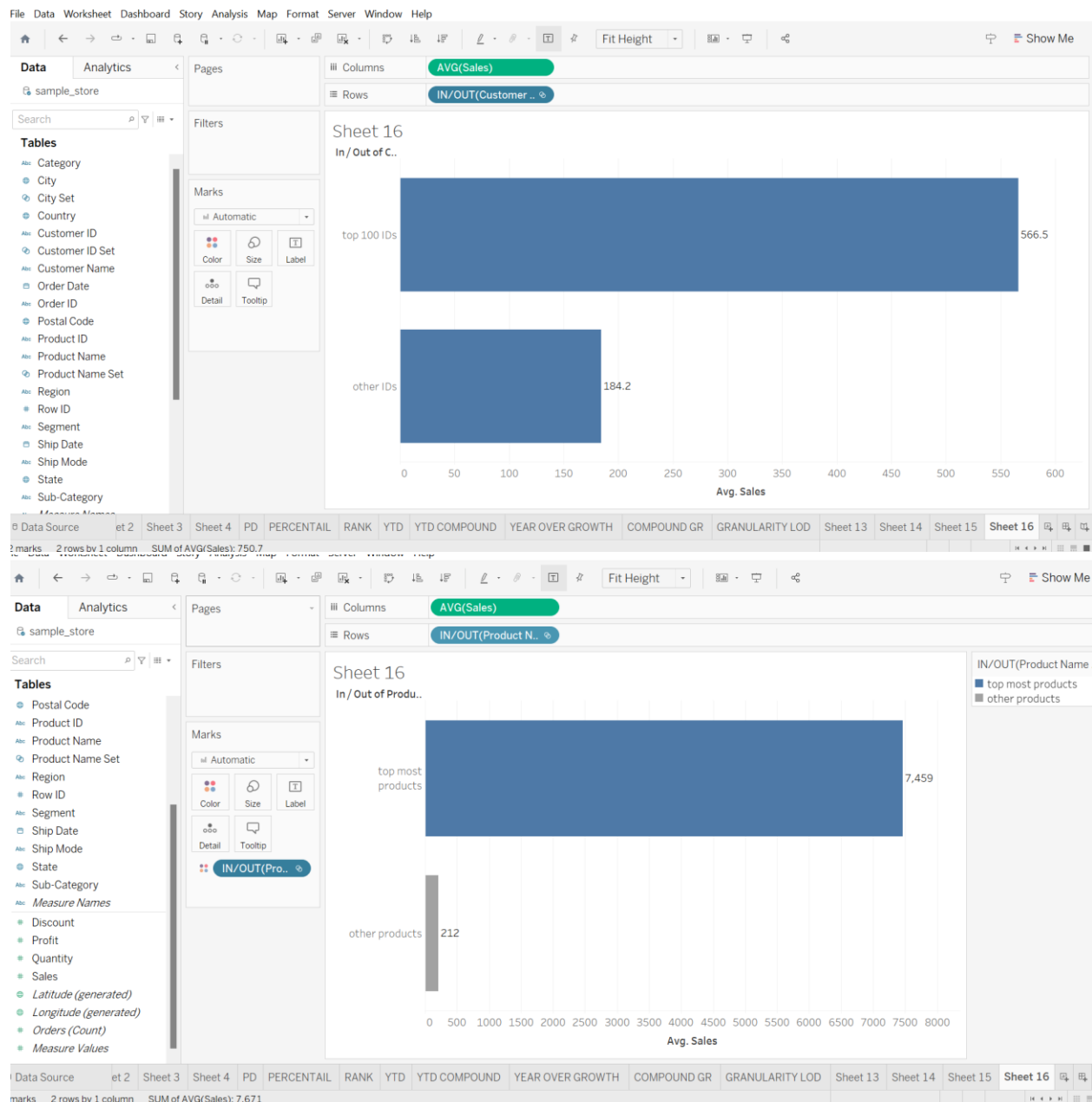


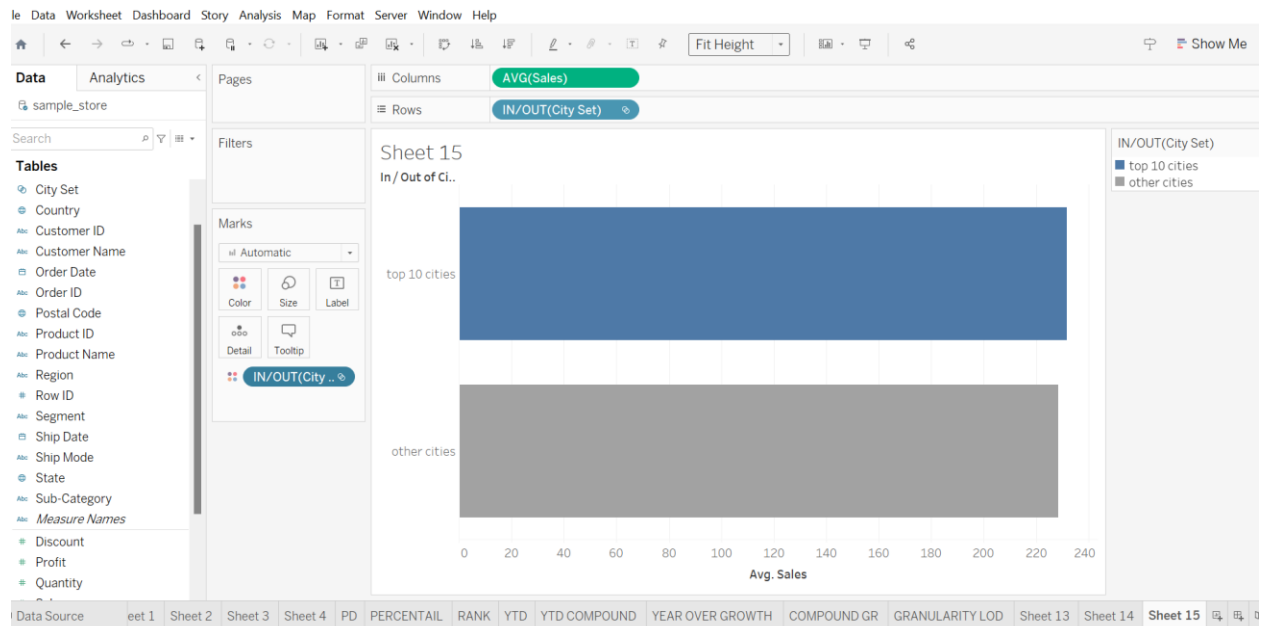
DATA ANALYTICS

Assignment 3

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- 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.
MINUS, INSERT, UNION

Connections: Add

Bookshop
Microsoft Excel

Fields: Use Data Interpreter
Data Interpreter might be able to clean your Microsoft Excel workbook.

Author
Award
Book
Checkouts
Edition
Info
Publisher
Ratings
Sales Q1
Sales Q2
Sales Q3
New Union
New Table Extension

Book is made of 2 tables. ⓘ

Book

Join

Inner Left Right Full Outer

Data Source

Book ID = [BookID1]...

Add new join...

Book

9 fields 58 rows

Book ID	Title	Auth ID	BookID1	BookID2
MM424	(im)Mortality	CW626	MM	424
NR695	9803 North Millwor...	CS190	NR	695
AM124	A Horrible Human ...	KD840	AM	124
AK974	Adventures of Kaya	WH901	AK	974

connections: Add

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Publisher

Ratings

Sales Q1

Sales Q2

Sales Q3

New Union

New Table Extension

Book+ (Bookshop)

Connection

Live

Extract

Filters

0

Add

Book is made of 5 tables.

Book

Author1

Edition

Info

Series

Book

27 fields 96 rows

96

rows

Name

Book

Fields

Type

Field Name

Physical Table

Remote File

Book ID

Title

Auth ID

AuthID (Author1)

First Name

TT359

Turn Left Til You Get There

KE397

KE397

Kris

NP937

Natural Pamplemousse

PB147

PB147

Phoebe

PA169

Post Alley

BM856

BM856

Burton

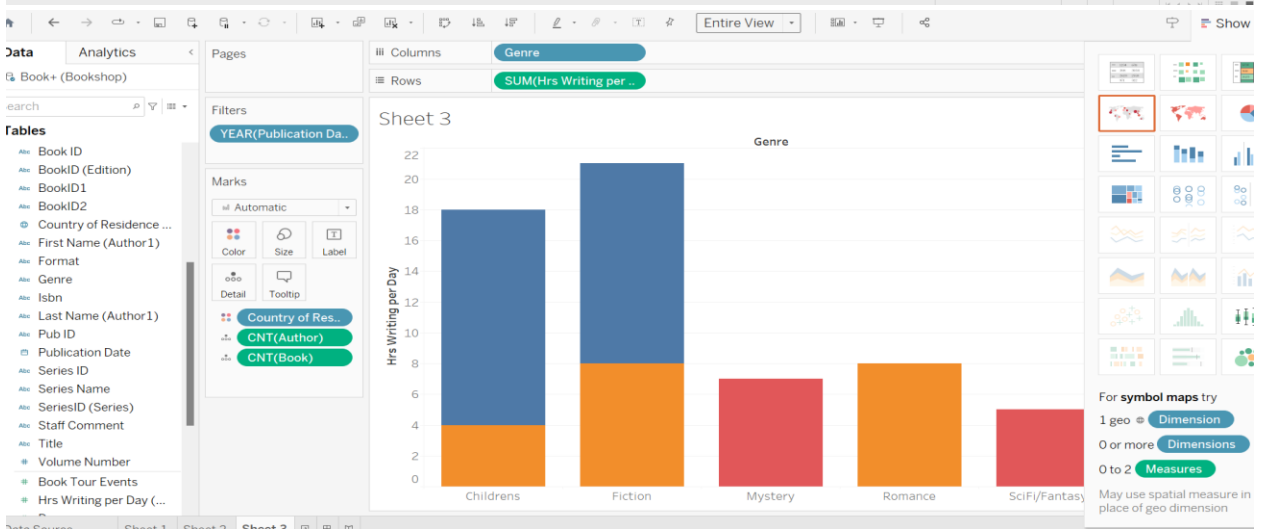
TM925

The Mallemarking

BT132

BT132

Bianca



Connections

Bookshop

Microsoft Excel

Sheets

Use Data Interpreter

Data Interpreter might be able to clean your Microsoft Excel workbook.

Author

Award

Book

Checkouts

Edition

Info

Publisher

Ratings

Sales Q1

Sales Q2

Sales Q3

New Union

New Table Extension

Go to Worksheet

Book+ (Bookshop)

Connection

Live

Extract

Filters

0

Add

Book is made of 2 tables.

Book

Info

Book

9 fields 58 rows

58

rows

Name

Book

Fields

Type

Field Name

Physical Table

Remote File

Book ID

Title

Auth ID

BookID1

BookID2

Genre

BB194

Ballinby Boys

AM329

BB

194

S

NC652

Nothing But Capers

AS443

NC

652

N

AD222

Alanna Saves the Day

BH149

AD

222

C

PA169

Post Alley

BM856

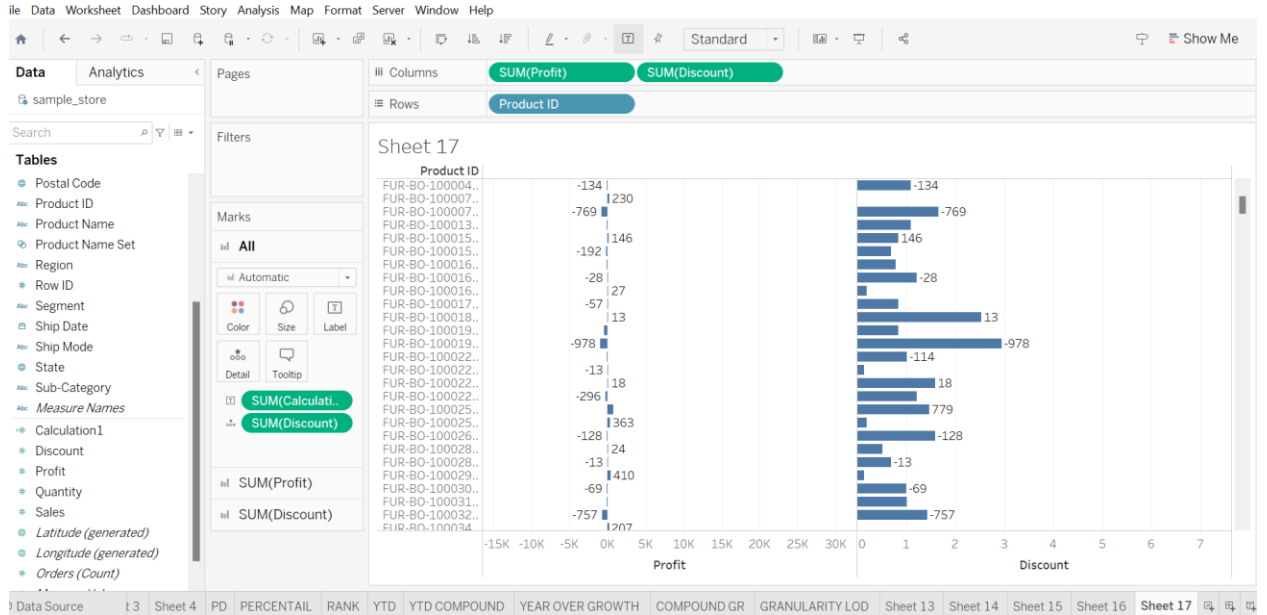
PA

169

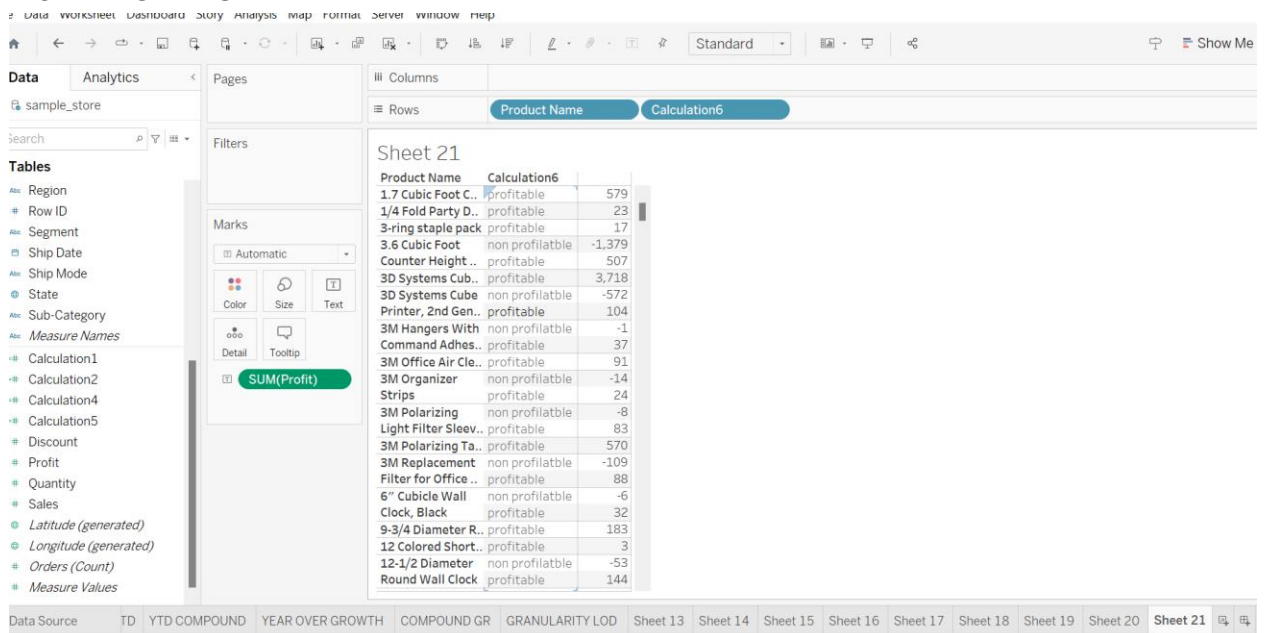
F

- Create 2 Calculation field using any aggregate function

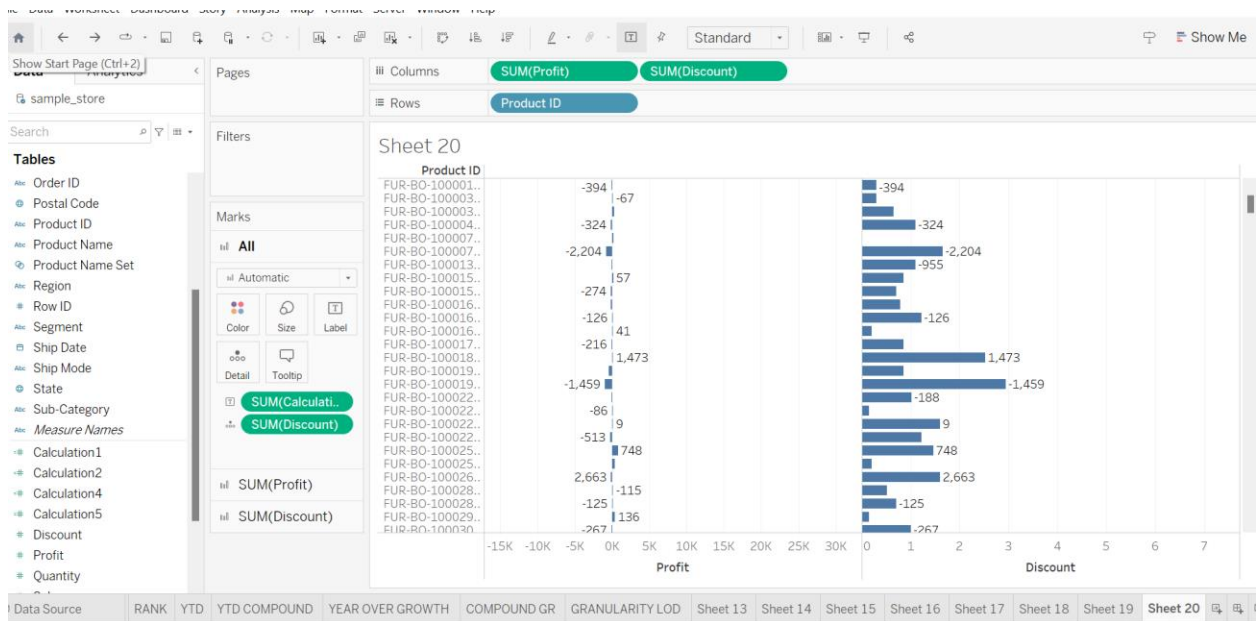
[PROFIT]-[DISCOUNT]:



IF[PROFIT] > 0 THEN "PROFITABLE"
ELSE "NON PROFITABLE" END

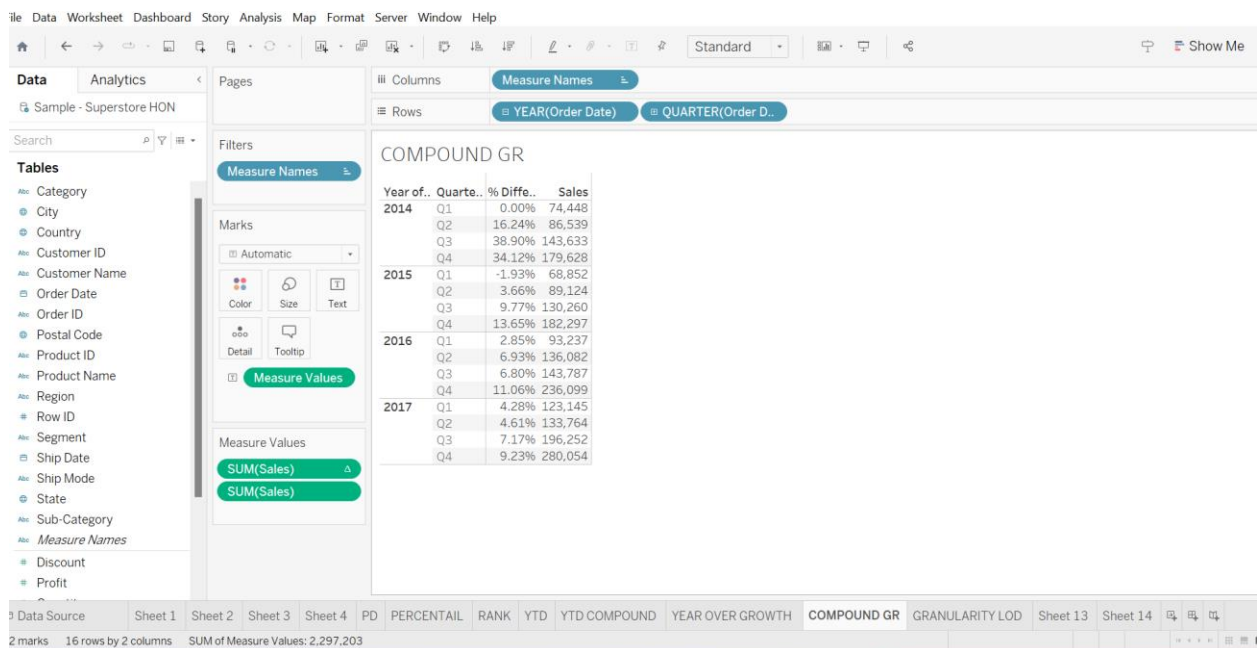


$([PROFIT] - [DISCOUNT]) / ABS([DISCOUNT])$



- 3 visualization using quick Table Calculations Dataset

COMPOUND GROWTH RATE:



PERCENTAIL

Tableau Desktop interface showing a view titled "PERCENTAIL". The Columns shelf contains "Measure Names" and the Rows shelf contains "Region". The Marks card is set to "Automatic". The view displays a table with columns: Region, Rank o., and Sales.

Region	Rank o.	Sales
West	1	725,458
East	2	678,781
Central	3	501,240
South	4	391,722

YEAR TO DATE:

Tableau Desktop interface showing a view titled "YTD". The Columns shelf contains "Measure Names" and the Rows shelf contains "YEAR(Order Date)" and "QUARTER(Order Date)". The Marks card is set to "Automatic". The view displays a table with columns: Year of., Quarter., Profit, and Runnin..

Year of..	Quarte..	Profit	Runnin..
2014	Q1	3,811	3,811
	Q2	11,204	15,015
	Q3	12,805	27,820
	Q4	21,724	49,544
2015	Q1	9,265	9,265
	Q2	12,191	21,456
	Q3	16,854	38,309
	Q4	23,309	61,619
2016	Q1	11,441	11,441
	Q2	16,390	27,832
	Q3	15,824	43,655
	Q4	38,140	81,795
2017	Q1	23,506	23,506
	Q2	15,499	39,005
	Q3	26,985	65,991
	Q4	27,449	93,439

YEAR TO DATE COMPOUND:

