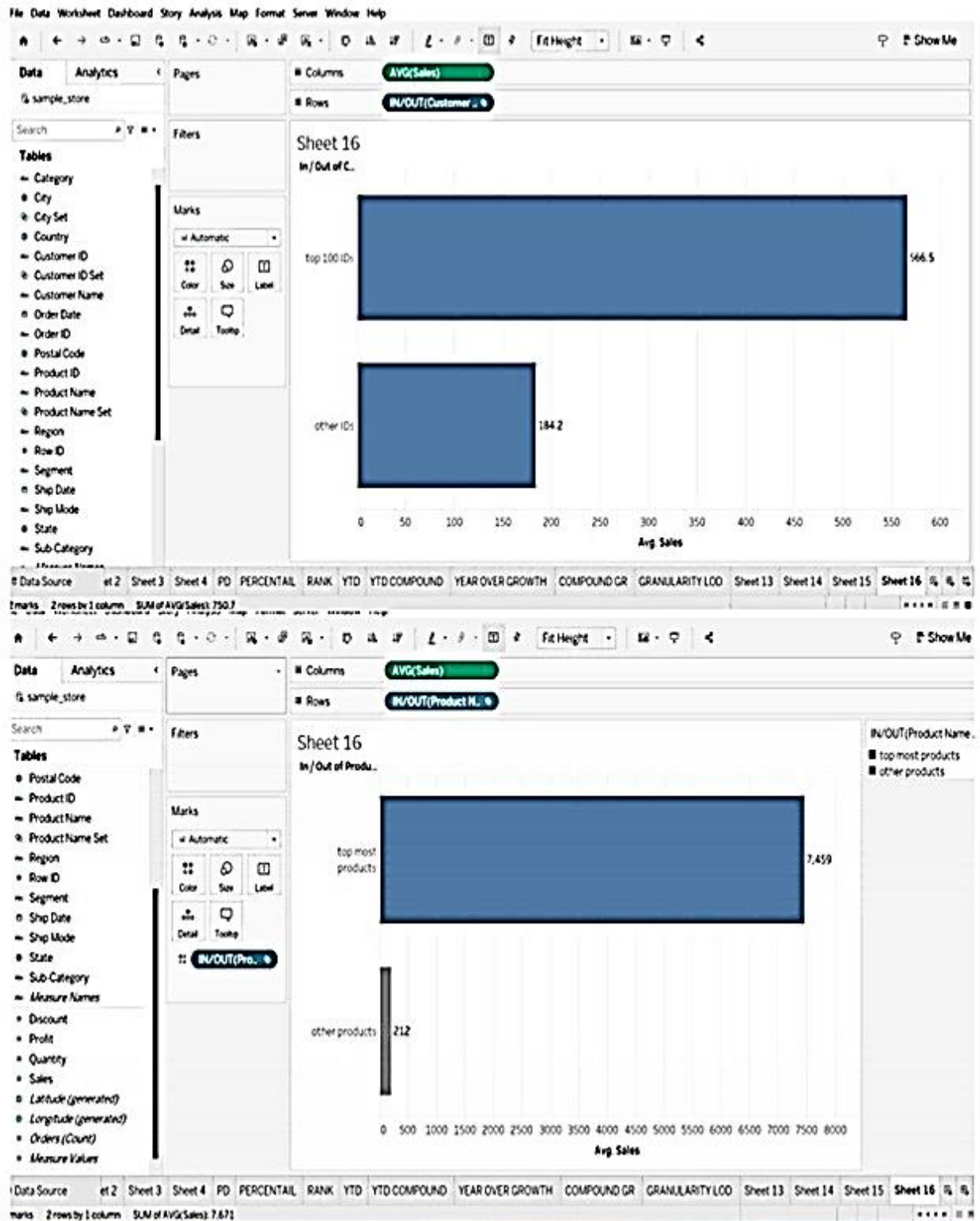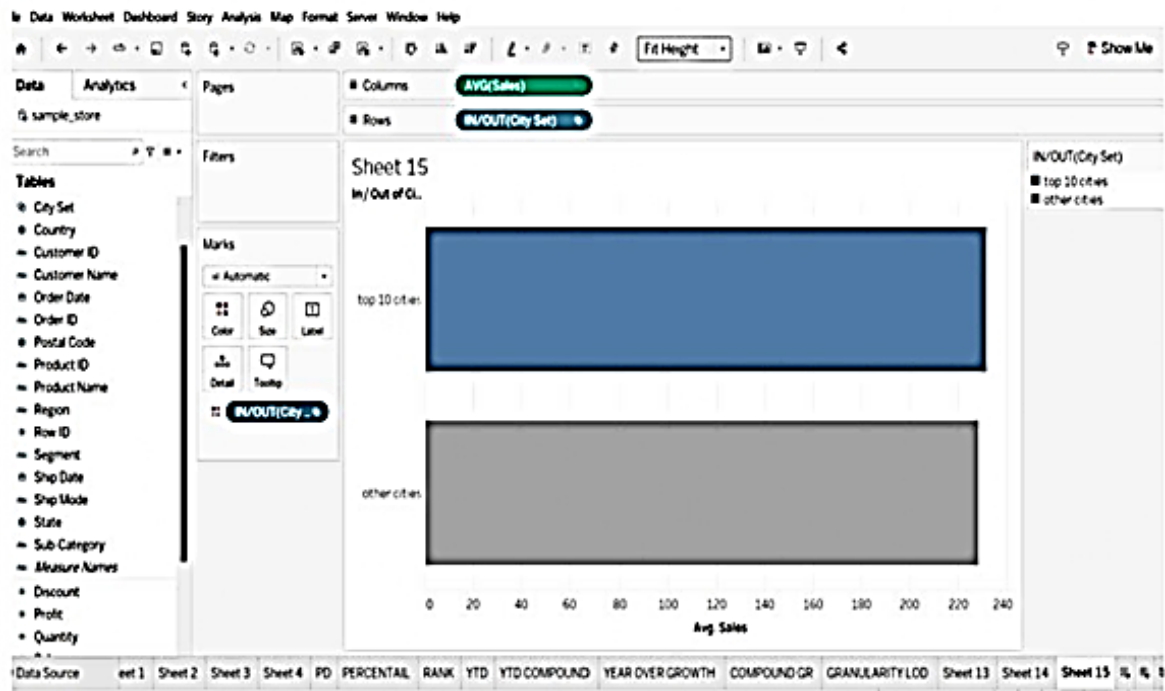# DATA ANALYTICS
Assignment – 3
Name : Yenugula Poojitha

Define at least two sets based on specific critera from your dataset
(e.g., high – value customers, top – performing products)

- Experiment with combining sets using UNION, INTERSECT, and MINUS operations.
  MINUS, INSERT, UNION

⊕ Book+ (Bookshop)

Connection
● Live ○ Extract

Filters
0 | Add

Connections   Add
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

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 Fie... |

Abc Book Book ID	Abc Book Title	Abc Book Auth ID	Abc Author1 AuthID (Author1)	Abc Author First
TT359	Turn Left Til You Get There	KE397	KE397	Kris
NP937	Natural Pamplemousse	PB147	PB147	Phoel
PA169	Post Alley	BM856	BM856	Burto
TM925	The Mallemaroking	BT132	BT132	Bianc

Data Source   Sheet 1

Data   Analytics

Book+ (Bookshop)

search

Tables
— Book ID
— BookID (Edition)
— BookID1
— BookID2
● Country of Residence ...
— First Name (Author1)
— Format
— Genre
— Isbn
— Last Name (Author1)
— Pub ID
● Publication Date
— Series ID
— Series Name
— SeriesID (Series)
— Staff Comment
— Title
● Volume Number
● Book Tour Events
● Hrs Writing per Day (...

Pages

Filters
YEAR(Publication Da...

Marks
⊞ Automatic ▾

⊞ Color   ◯ Size   ⊡ Label
▲ Detail   ▭ Tooltip

⊞ Country of Res...
⊿ CNT(Author)
⊿ CNT(Book)

Columns   Genre
Rows   SUM(Hrs Writing per...

Sheet 3

Genre

Childrens Fiction Mystery Romance Sci-fi/Fantasy

For symbol maps try
1 geo ● Dimension
0 or more Dimensions
0 to 2 Measures
May use spatial measure in place of geo dimension

⊕ Book+ (Bookshop)

Connection
● Live ○ Extract

Filters
0 Add

Connections   Add
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⊞ Author
⊞ Award
⊞ Book
⊞ Checkouts
⊞ Edition
⊞ Info
⊞ Publisher
⊞ Ratings
⊞ Sales Q1
⊞ Sales Q2
⊞ Sales Q3
⊕ New Union
⊿ New Table Exten...   ⚑ Go to Worksheet

Book is made of 2 tables. ⊙   ✕

Book ——○— Info

Book ▾   9 fields 58 rows   58 → rows ⚙ ⌄

Name
Book

Fields

| Type | Field Name | Physical Table | Remot... |

Abc Book Book ID	Abc Book Title	Abc Book Auth ID	Abc Info BookID1	Abc Info BookID2	
BB194	Ballinby Boys	AM329	BB	194	S
NC652	Nothing But Capers	AS443	NC	652	N
AD222	Alanna Saves the Day	BM149	AD	222	C
PA169	Post Alley	BM856	PA	169	F

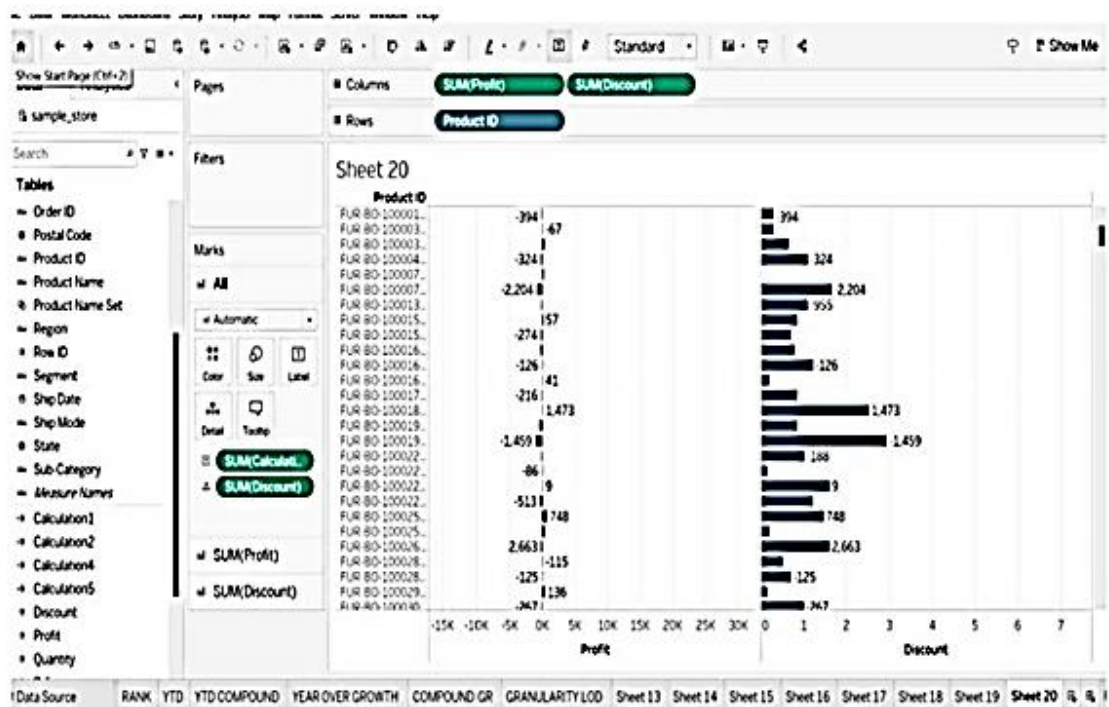- Create 2 Calculation field using any aggregate function

[PROFIT]-[DISCOUNT]:
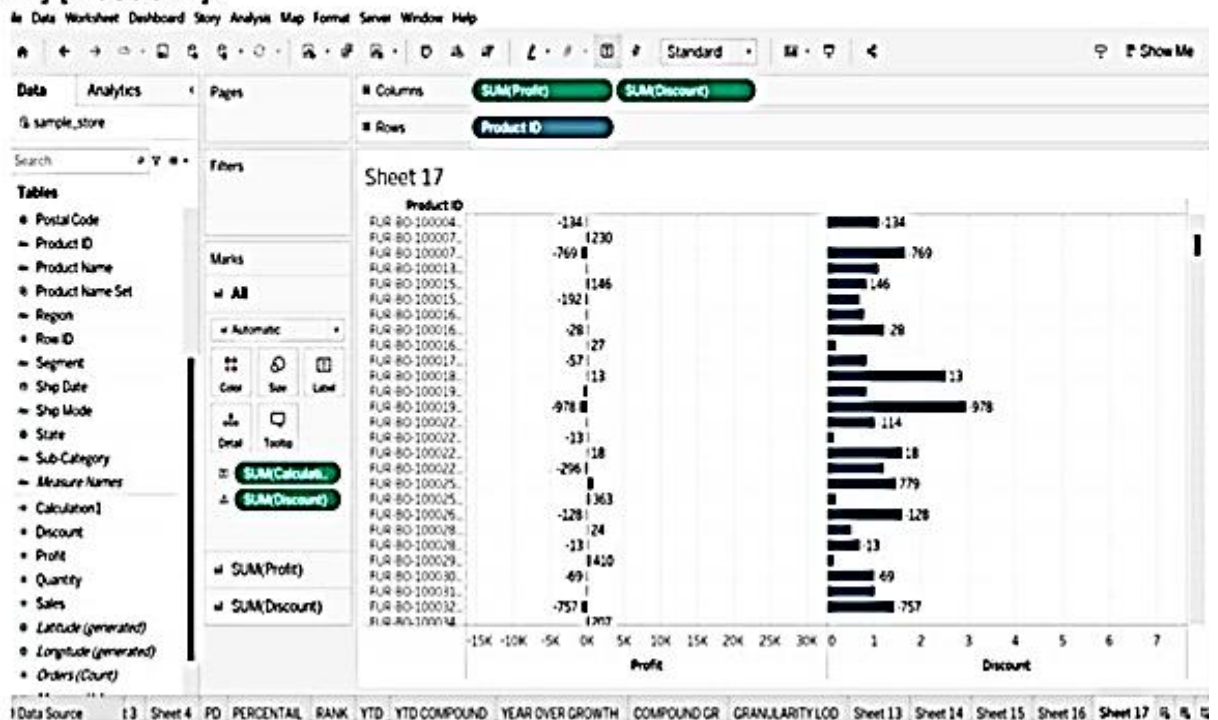
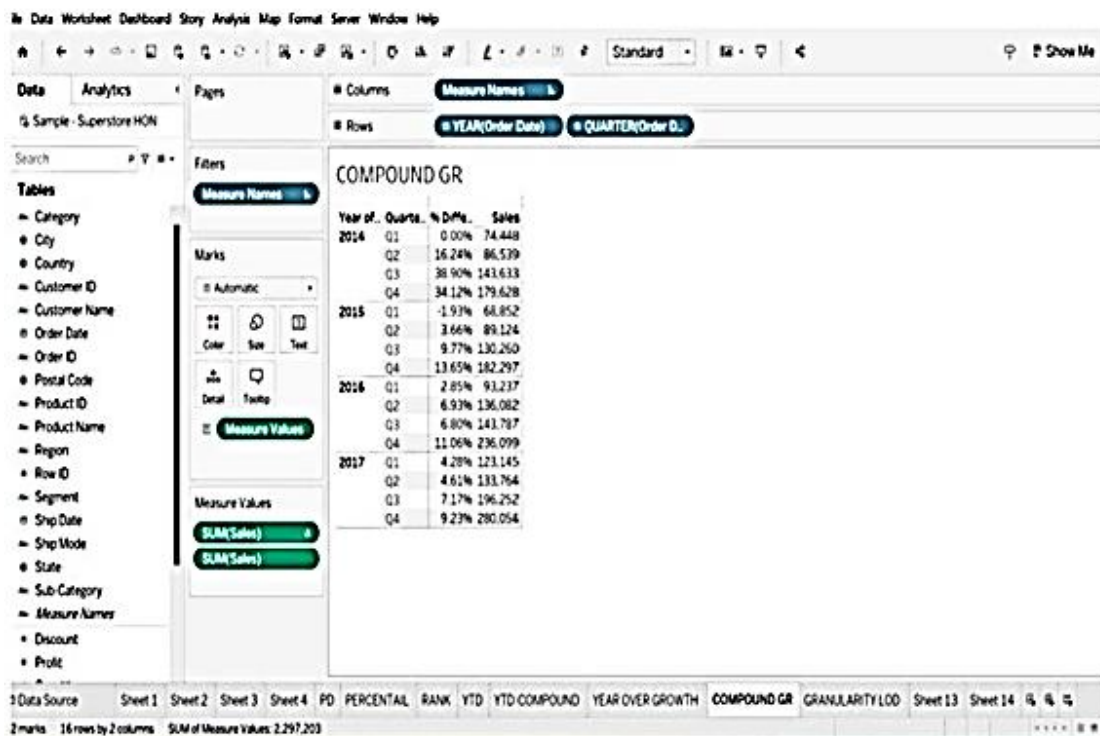## IF[PROFIT] > 0 THEN "PROFITABLE"
ELSE "NON PROFITABLE" END
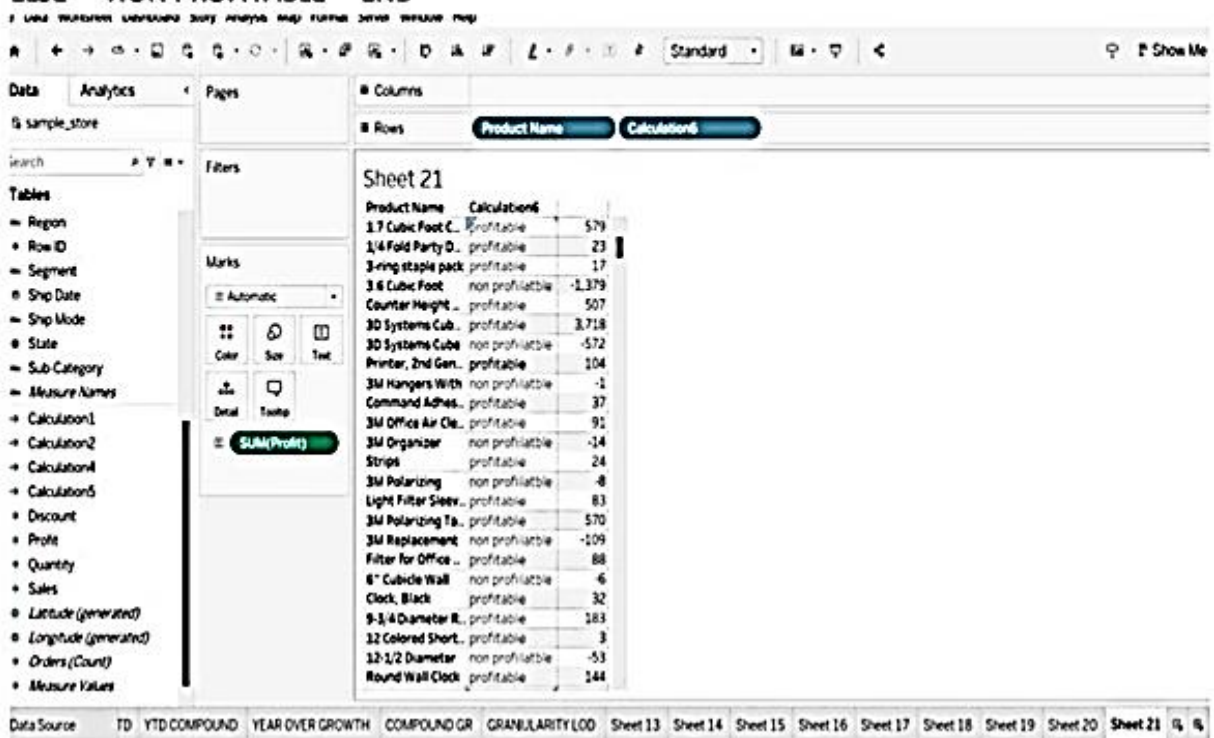
([PROFIT] - [DISCOUNT]) / ABS([DISCOUNT])

- 3 visualization using quick Table Calculations Dataset

COMPOUND GROWTH RATE:

PERCENTAIL

Data	Analytics	‹	Pages		⊞ Columns	Measure Names
🗄 sample_store					⊞ Rows	Region

Search

Tables

- Category
- City
- Country
- Customer ID
- Customer Name
- Order Date
- Order ID
- Postal Code
- Product ID
- Product Name
- Region
- Row ID
- Segment
- Ship Date
- Ship Mode
- State
- Sub-Category
- Measure Names
- Discount
- Profit

Filters

Measure Names

Marks

⊞ Automatic

Color | Size | Text

Detail | Tooltip

⊞ Measure Values

Measure Values

SUM(Sales)
SUM(Sales)

PERCENTAIL

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

YEAR TO DATE:

Data	Analytics	‹	Pages		⊞ Columns	Measure Names	
🗄 sample_store					⊞ Rows	YEAR(Order Date)	QUARTER(Order D..)

Search

Tables

- Category
- City
- Country
- Customer ID
- Customer Name
- Order Date
- Order ID
- Postal Code
- Product ID
- Product Name
- Region
- Row ID
- Segment
- Ship Date
- Ship Mode
- State
- Sub-Category
- Measure Names
- Discount
- Profit

Filters

Measure Names

Marks

⊞ Automatic

Color | Size | Text

Detail | Tooltip

⊞ Measure Values

Measure Values

SUM(Profit)
SUM(Profit)

YTD

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:
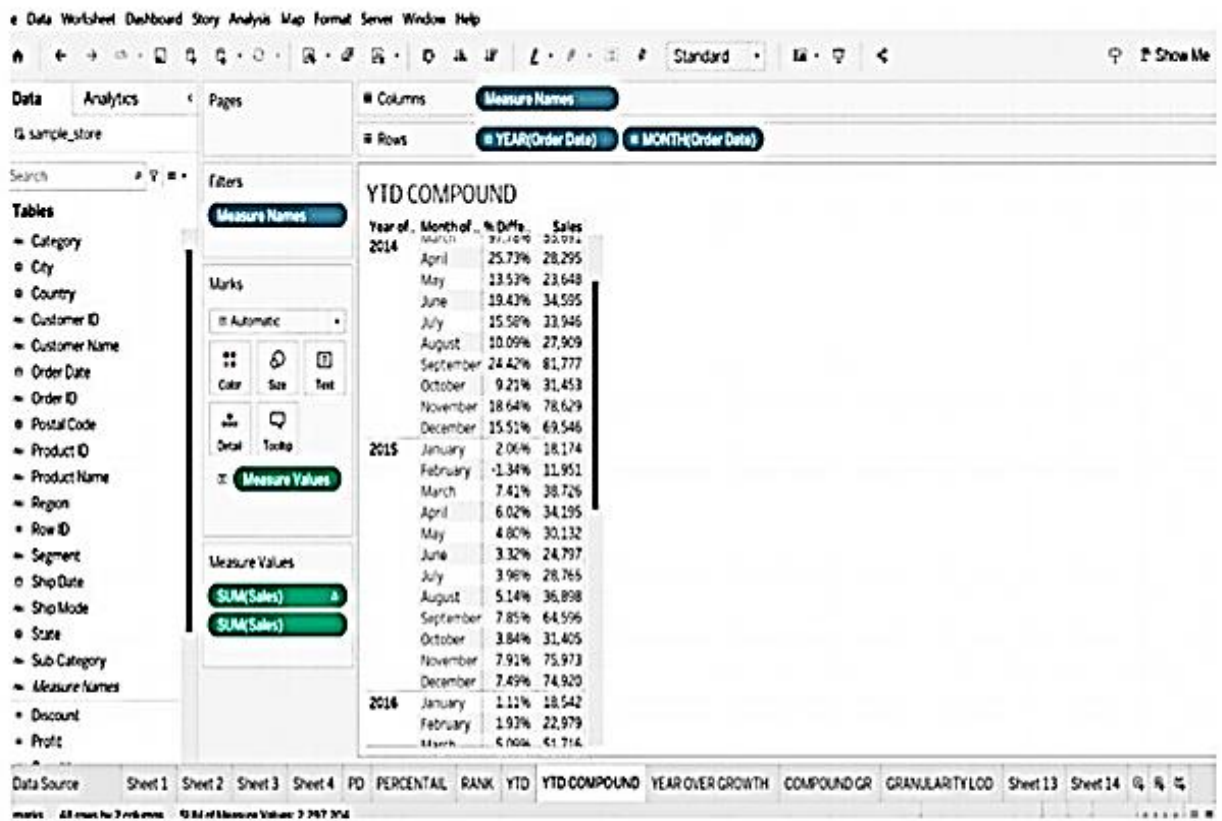
Bookshop.xlsx

Sample - Superstore
(5).xls