Karanam Meenakshi Chaithra

DA 4

LOD expressions using Global Superstore

1.

Number of Orders per customer   ✕
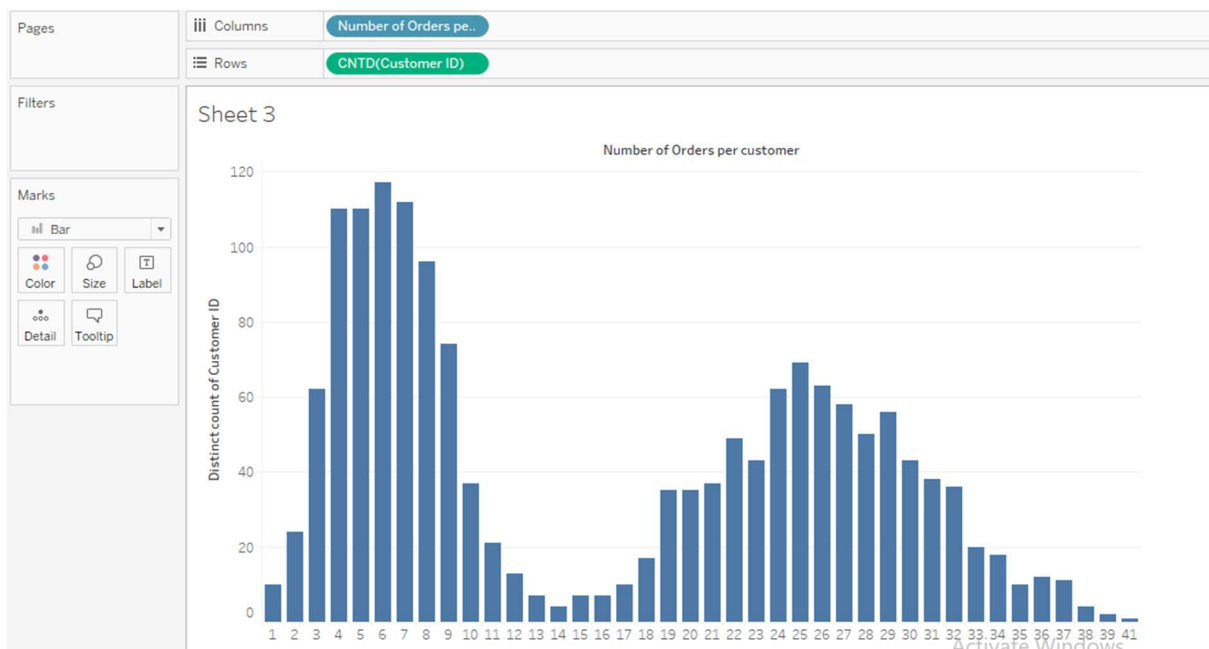
```
{ FIXED [Customer ID]: COUNTD([Order ID])}
```

▶

The calculation is valid.   1 Dependency ▾   Apply   OK
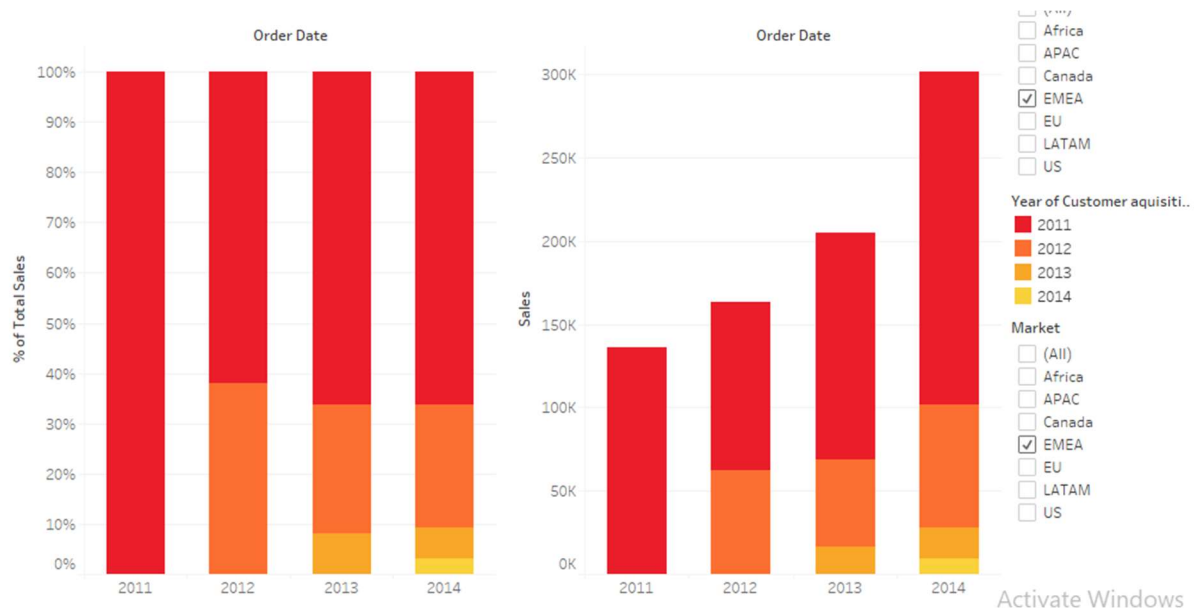
2.

Customer aquisition date   ✕

`{ FIXED [Customer ID]: MIN([Order Date])}`

▶

The calculation is valid.   3 Dependencies ▾   Apply   OK

3.

Profit per day   ✕

```
{ FIXED [Order Date]: SUM([Profit])}
```

The calculation is valid.   2 Dependencies ▾   Apply   OK

Daily Profit KPI   ✕

```
IF [Profit per day]>2000 THEN "Highly Profitable"
ELSEIF [Profit per day]<=0 THEN "Unprofitable"
ELSE "Profitable" END
```

The calculation is valid.   1 Dependency ▾   Apply   OK

4.

First Order Date   ✕

`{ FIXED [Customer ID]: MIN([Order Date])}`

                                                              ▶

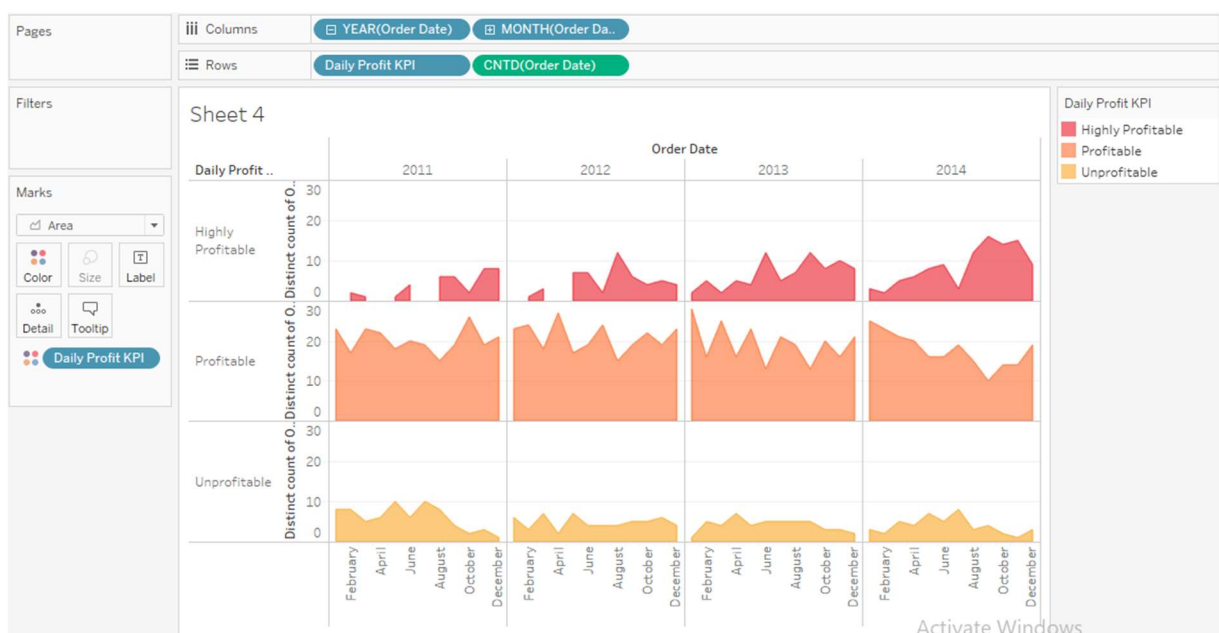The calculation is valid.   2 Dependencies ▾   Apply   OK

New or Existing   ✕

`IIF([First Order Date]=[Order Date],"NEW","Existing")`

                                                              ▶

The calculation is valid.   1 Dependency ▾   Apply   OK

Pages	iii Columns	DAY(Order Date)		Market

Rows: CNTD(Customer I.. △

Filters
New or Existing: NEW

Marks
〜 Automatic ▾
Color Size Label
Detail Tooltip Path
Market

Sheet 5

Order Date

Market
- Africa
- APAC
- Canada
- EMEA
- EU
- LATAM
- US

Running Sum of Distinct count of Customer ID

400
350
300
250
200
150
100
50
0

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Activate Windows

5.

1st purchase   ✕

{FIXED [Customer ID]: MIN([Order Date])}

▶

The calculation is valid.   4 Dependencies ▾   Apply   OK
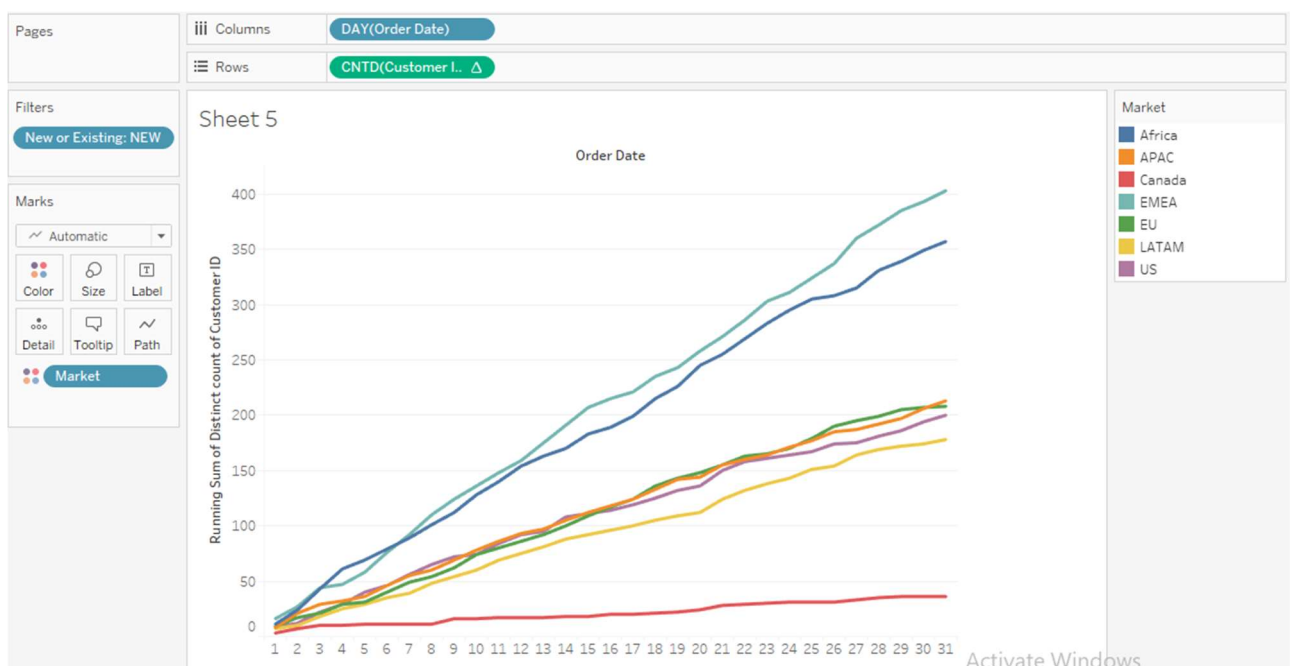
Repeat Purchase   ✕

iif([Order Date]>[1st purchase],[Order Date],null)

▶

The calculation is valid.   3 Dependencies ▾   Apply   OK

second Purchase   ✕

`{FIXED [Customer ID]: MIN([Repeat Purchase])}`

▶

The calculation is valid.   2 Dependencies ▾   Apply   OK

Quaters to repeat purchase   ✕

`datediff('quarter',[1st purchase],[second Purchase])`

▶

The calculation is valid.   1 Dependency ▾   Apply   OK

Pages	iii Columns	Quaters to repeat pu..
	☰ Rows	⊞ QUARTER(1st pur..

Filters

Sheet 6

CNTD(Customer ID)
1   222

Marks

☐ Automatic ▾

Color Size Label
Detail Tooltip

CNTD(Custom..

Quater of .. Lapsed 0 1 2 3 4 5 6 7 8 9 10 11 12 13

Q1

Q2

Q3

Q4

Quaters to repeat purchase

Activate Windows
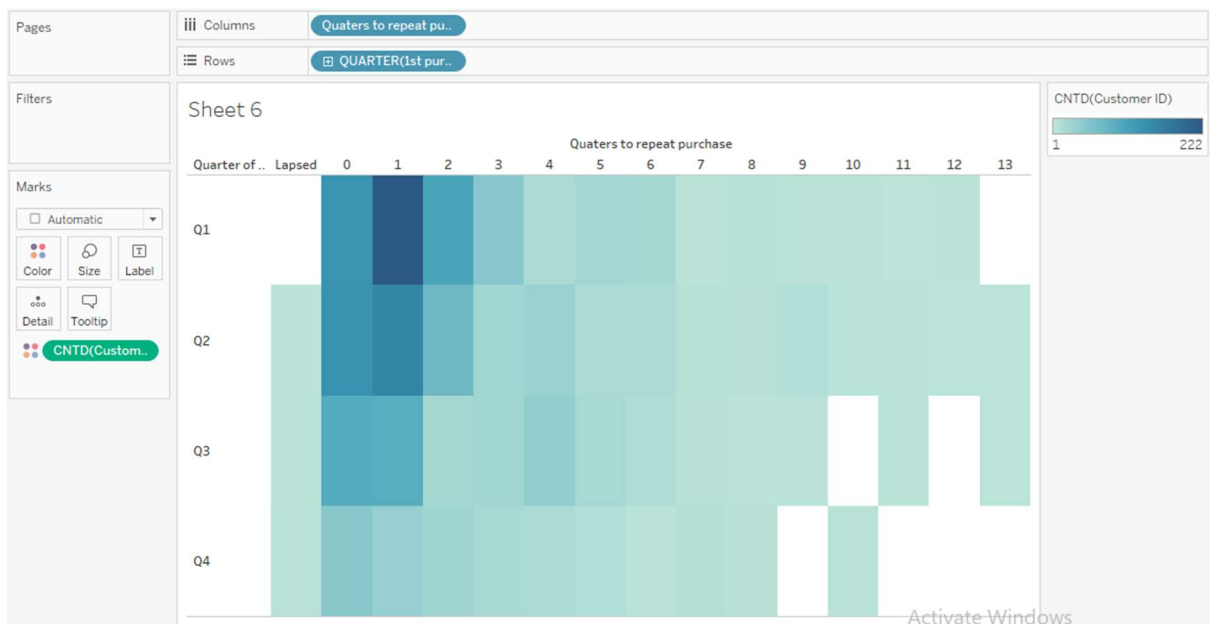
Basic calculations using Sample Superstore

Profit Margin   ✕

(SUM([Profit])/SUM([Sales]))*100

▶

The calculation is valid.   1 Dependency ▾   Apply   OK

Pages		iii Columns	Category
		≡ Rows	AGG(Profit Margin)

Filters

Sheet 7

Category
- ■ Furniture
- ■ Office Supplies
- ■ Technology

Marks

▮▮ Bar ▾

Color | Size | Label

Detail | Tooltip

Category

Category

Profit Margin (axis: 0, 2, 4, 6, 8, 10, 12, 14)

Furniture | Office Supplies | Technolo..
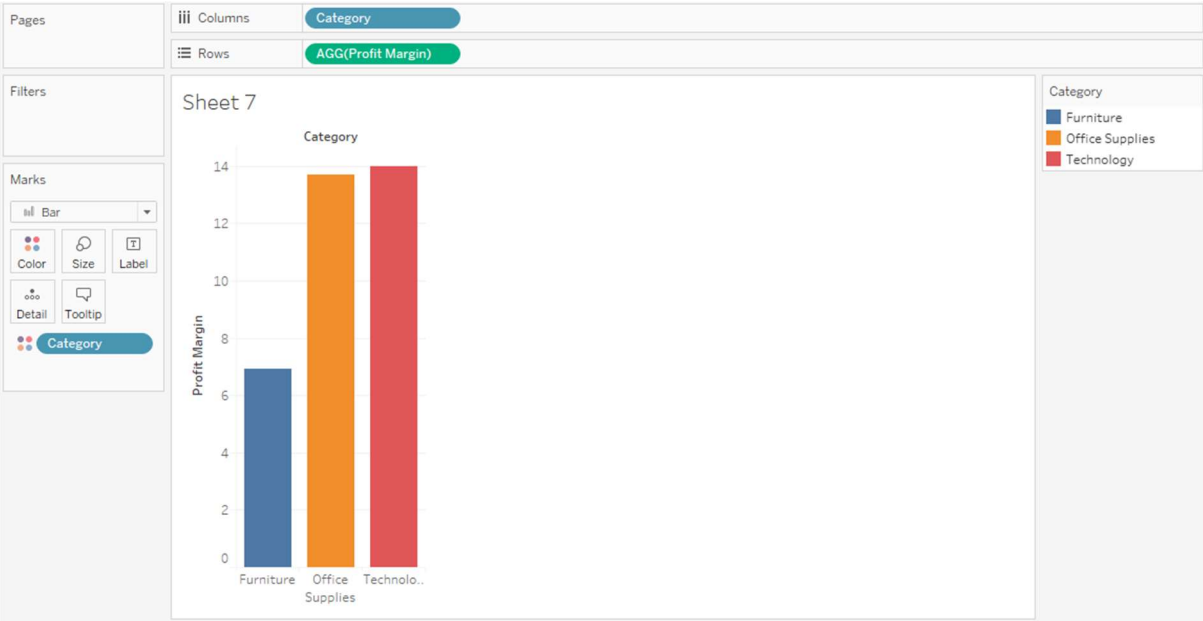
Custom Category ✕

[Category]+[Sub-Category]

▶

The calculation is valid.   1 Dependency ▼   Apply   OK

Pages	⠿ Columns	
	☰ Rows	

Filters

Sheet 8

Custom Category
■ FurnitureBookcases
■ FurnitureChairs
■ FurnitureFurnishings
■ FurnitureTables
■ Office SuppliesAppli..
■ Office SuppliesArt
■ Office SuppliesBinde..
■ Office SuppliesEnvel..
■ Office SuppliesFaste..
■ Office SuppliesLabels
■ Office SuppliesPaper
■ Office SuppliesStora..
■ Office SuppliesSuppl..
■ TechnologyAccessori..
■ TechnologyCopiers
■ TechnologyMachines
■ TechnologyPhones

Marks

⬤ Pie ▼

| Color | Size | Label |
| Detail | Tooltip | Angle |

⠿ Custom Categ..
▷ AVG(Sales)
◠ SUM(Sales)
T SUM(Sales) △
T Custom Categ..

13.50%
TechnologyPhones

6.16%
TechnologyMachines

11.60%
FurnitureBookcases

11.88%
FurnitureChairs

3.05%
FurnitureFurnishings

11.94%
TechnologyCopiers

5.99%
FurnitureTables

1.92%
Office SuppliesSupplies

1.35%
Office SuppliesEnvelopes

8.00%
Office SuppliesAppliances

SUM(Sales)
12,642 502

Average Discount   ✕

AVG([Discount])

The calculation is valid.   1 Dependency ▾   Apply   OK

Pages	
ⅲ Columns	
☰ Rows	

Filters

AGG(Average Discount)

Sheet 9

Southeast Asia 0.2721	Oceania 0.1532	Central 0.1389	Caribbean 0.1358
	South 0.1491		
EMEA 0.1961		West 0.1093	Central Asia 0.0675
	East 0.1454		
Africa 0.1567		North 0.0961	North Asia 0.0487

AGG(Average Discount)
0.0000   0.2721

Marks

☐ Automatic ▾

Color Size Label

Detail Tooltip

AGG(Average ..
AGG(Average ..
Region
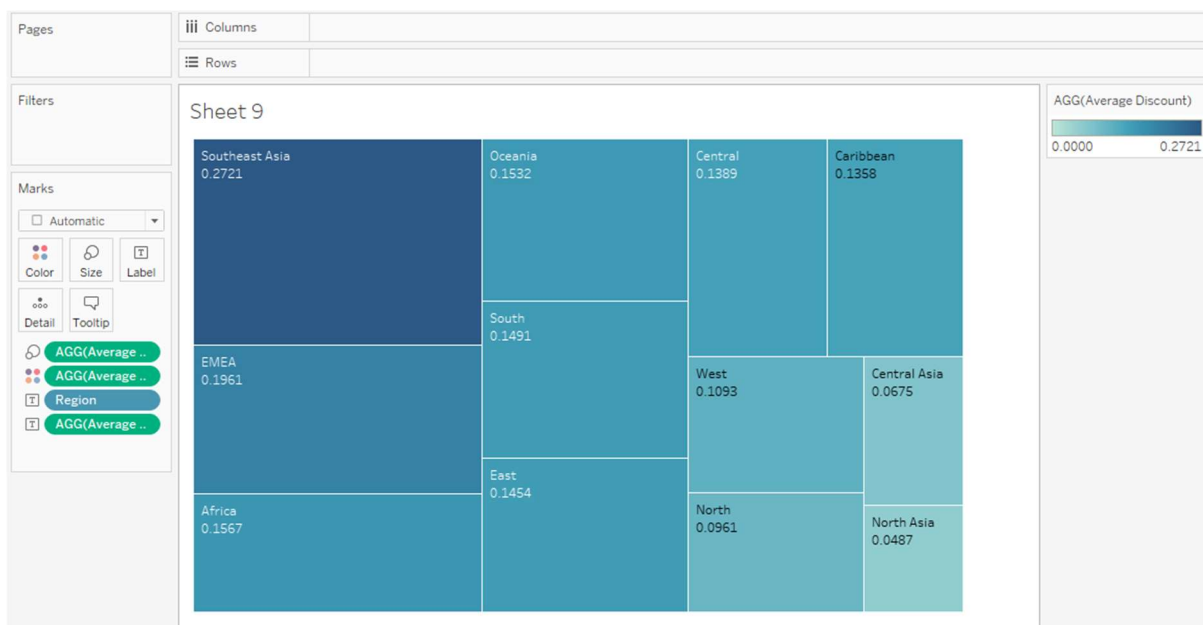AGG(Average ..

Percentage of sales   ✕

(SUM([Shipping Cost])/SUM([Sales]))*100

The calculation is valid.   Apply   OK