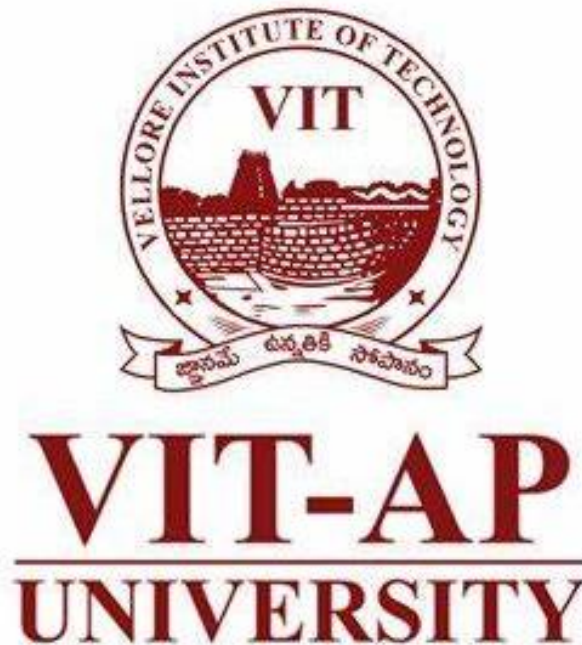


Data Analytics with IBM Cognos



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Assignment – 4 :

Now let us create some Basic and LOD expressions by some calculations
Now let us see the Basic calculations

1st visualization

Profit percentage for the categories

Profit percentage for categories

$$\text{IIF}([Sales] \neq 0, [Profit] / [Sales] * 100, 0)$$
IIF(test, then, else, [unknown])

The calculation is valid.

Apply
OK



2nd visualization

Revenue per unit as per market

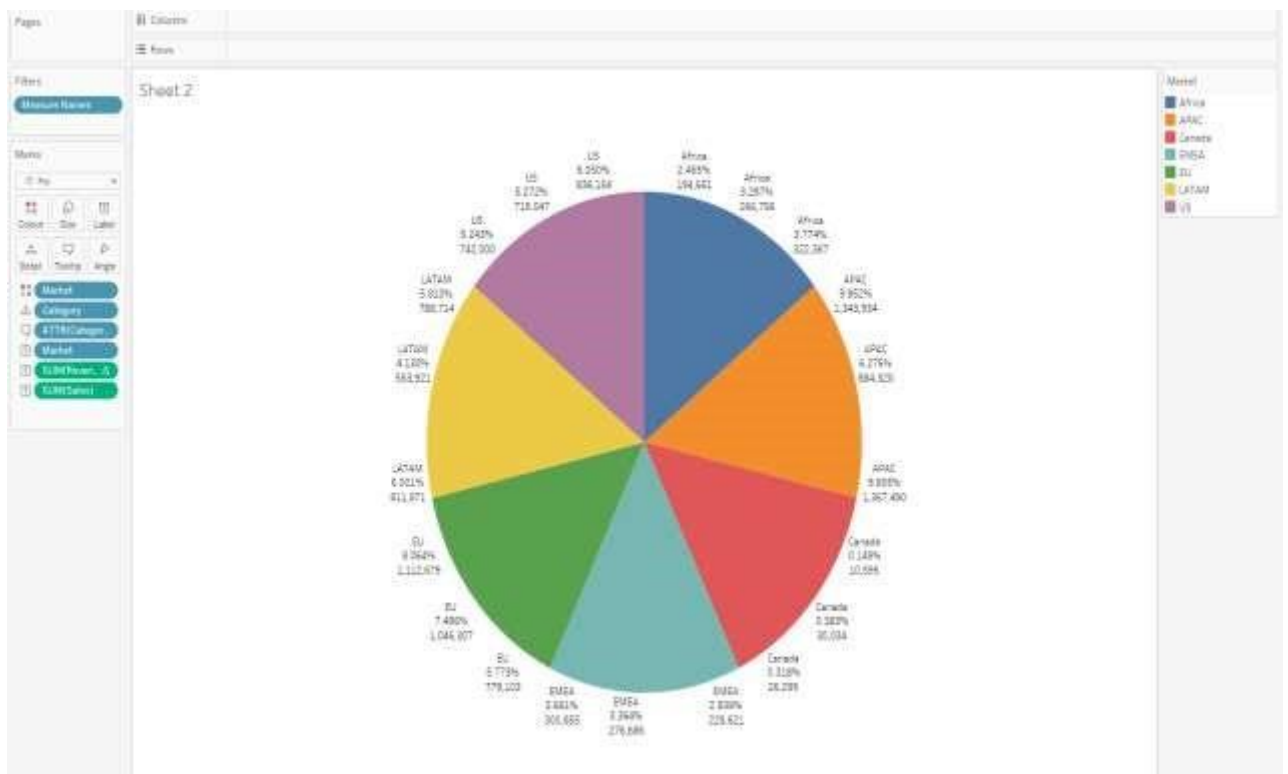
Revenue per unit for the market

IIF([Quantity] != 0, [Sales] / [Quantity], 0)

The calculation is valid.

Apply

OK



3rd visualization

Absolute Cost price of the product

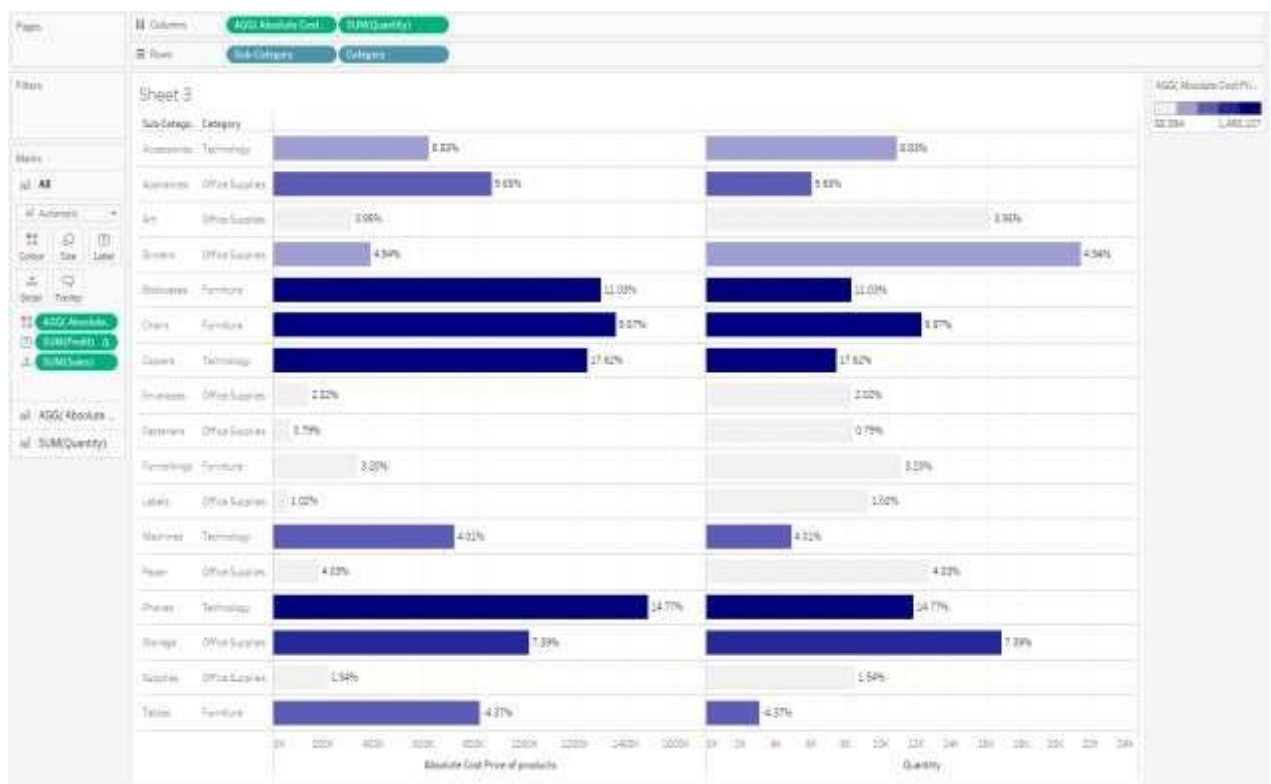
Absolute Cost Price of products

$$ABS(SUM([Sales]) - SUM([Profit]))$$

The calculation is valid.

Apply

OK



4th visualization

Total Cost

Total cost

×

```
SUM([Shipping Cost]) * SUM([Sales])
```

The calculation is valid.

Apply

OK



Now Let us see the Some LOD expressions

5th visualization

Sales per Customer Name

Sales Per Customer Name

{

FIXED

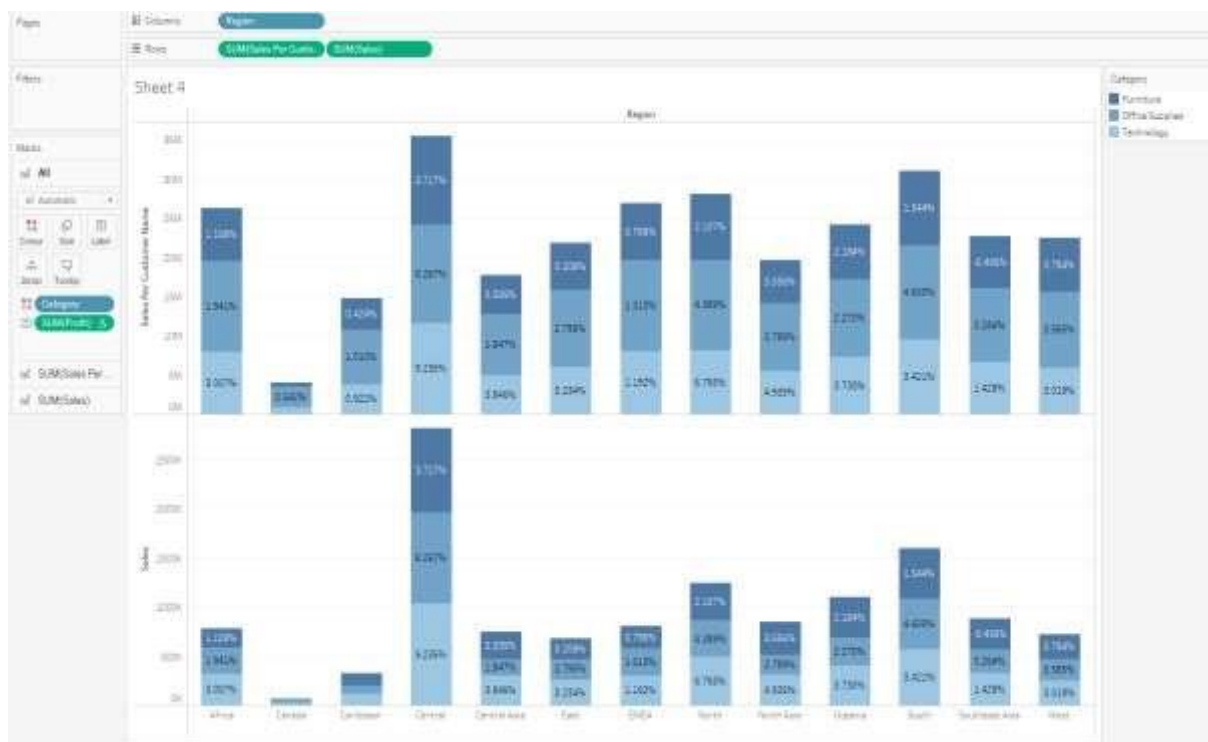
[Customer Name]:SUM([Sales])

}

The calculation is valid.

Apply

OK



6th visualization

Sales for the World cup playing Countries

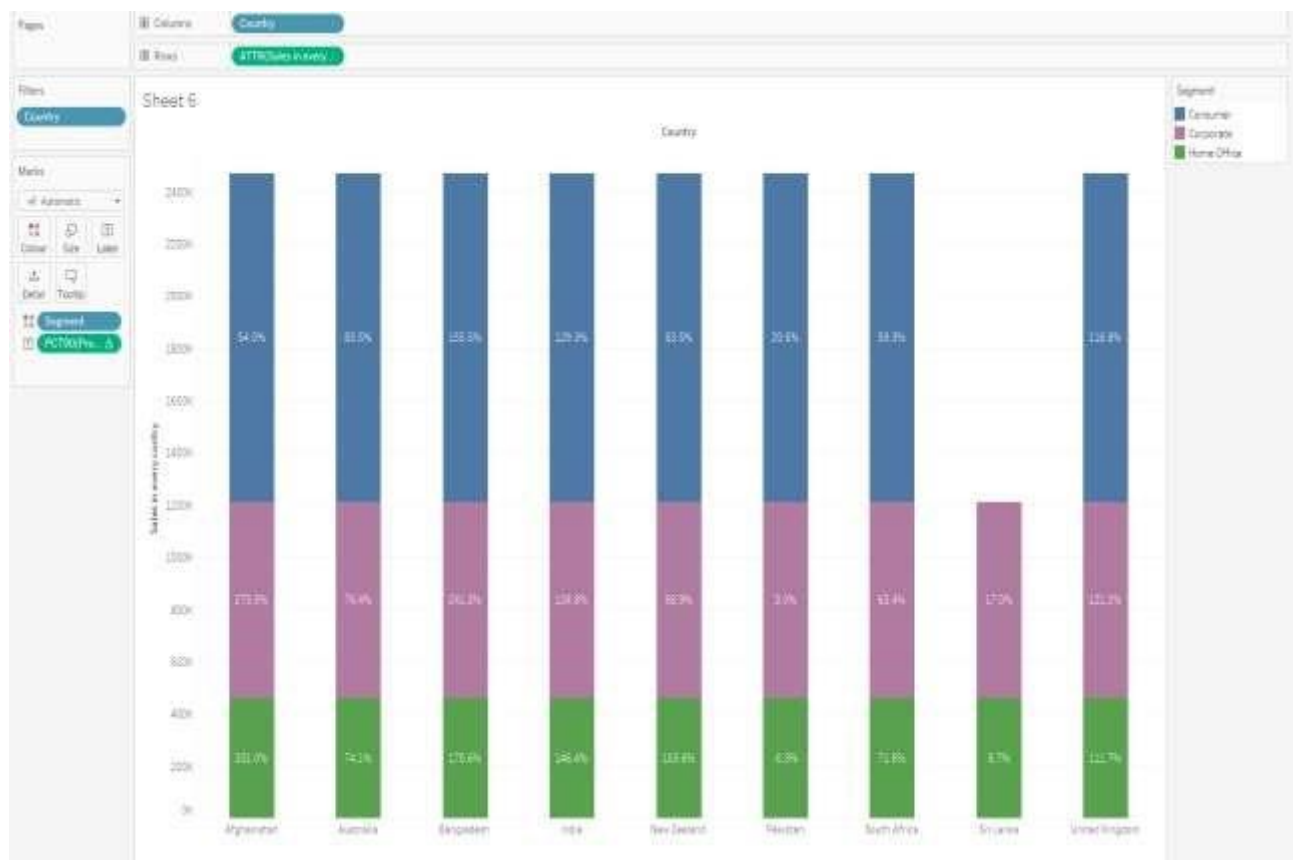
Sales in every contry

{ EXCLUDE [Country]:SUM([Sales]) }

The calculation is valid.

Apply

OK



7th visualization

Country Maximum Profits

Country Maximum Profits ×

```
{ FIXED [Country] : MAX ([Profit]) }
```

The calculation is valid.

Apply OK



8th visualization

Minimum Sales in some region

Sales for some regions

×

{ EXCLUDE [Region]:MIN([Sales]) }

The calculation is valid.

Apply

OK



9th visualization

Total Profits per day

Total profit for days

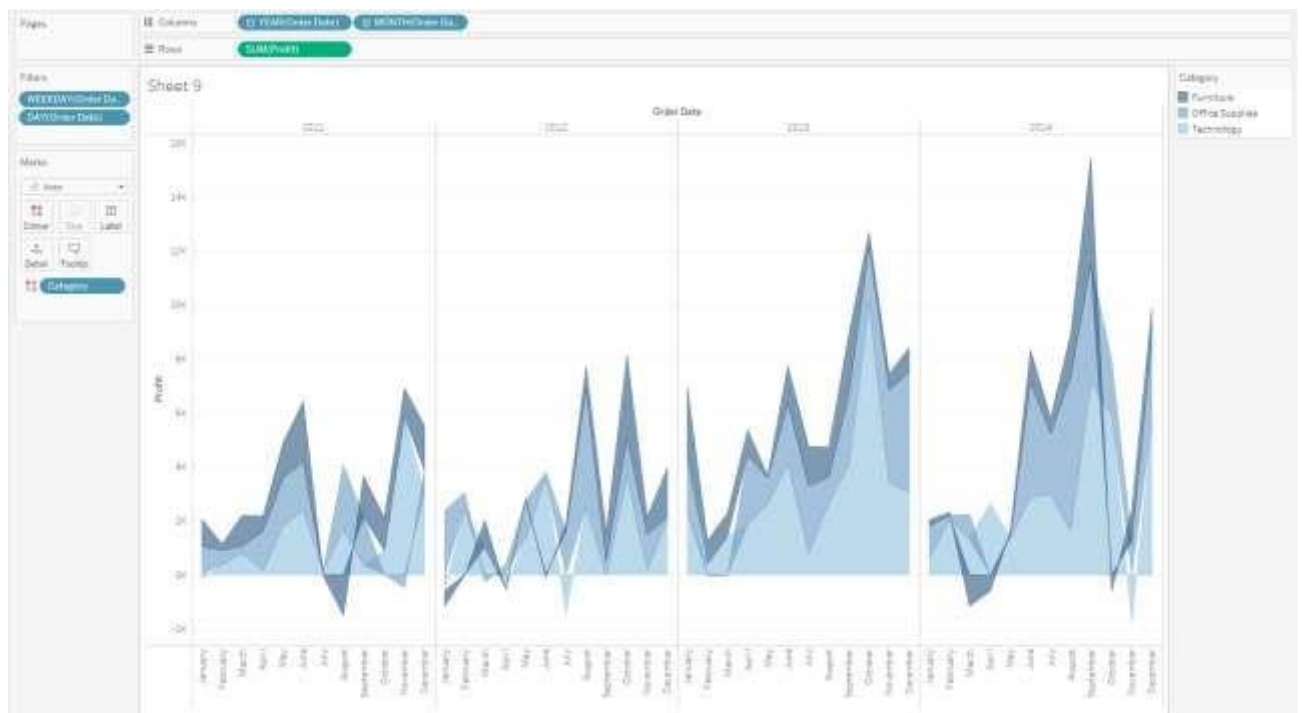
×

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

The calculation is valid.

Apply

OK



These are the Basic and LOD visualizations

Thank You!

By:



M U DARSHAN



21BCB7132