

IBM

IBM DATA ANALYTICS ASSIGNMENT - 4

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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

IIF([Sales] != 0, [Profit] / [Sales] * 100, 0)

IIF(test, then, else, [unknown])

The calculation is valid.

Apply

OK



2nd visualization

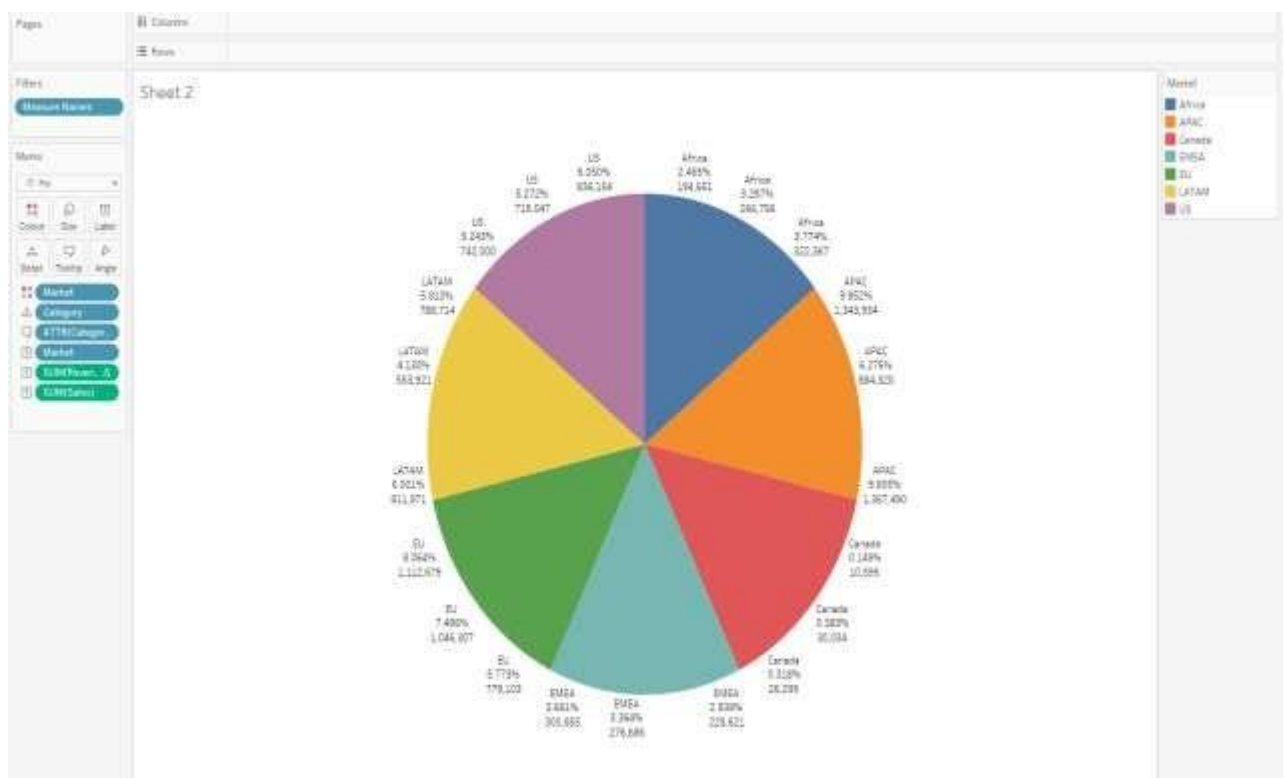
Revenue per unit as per market

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

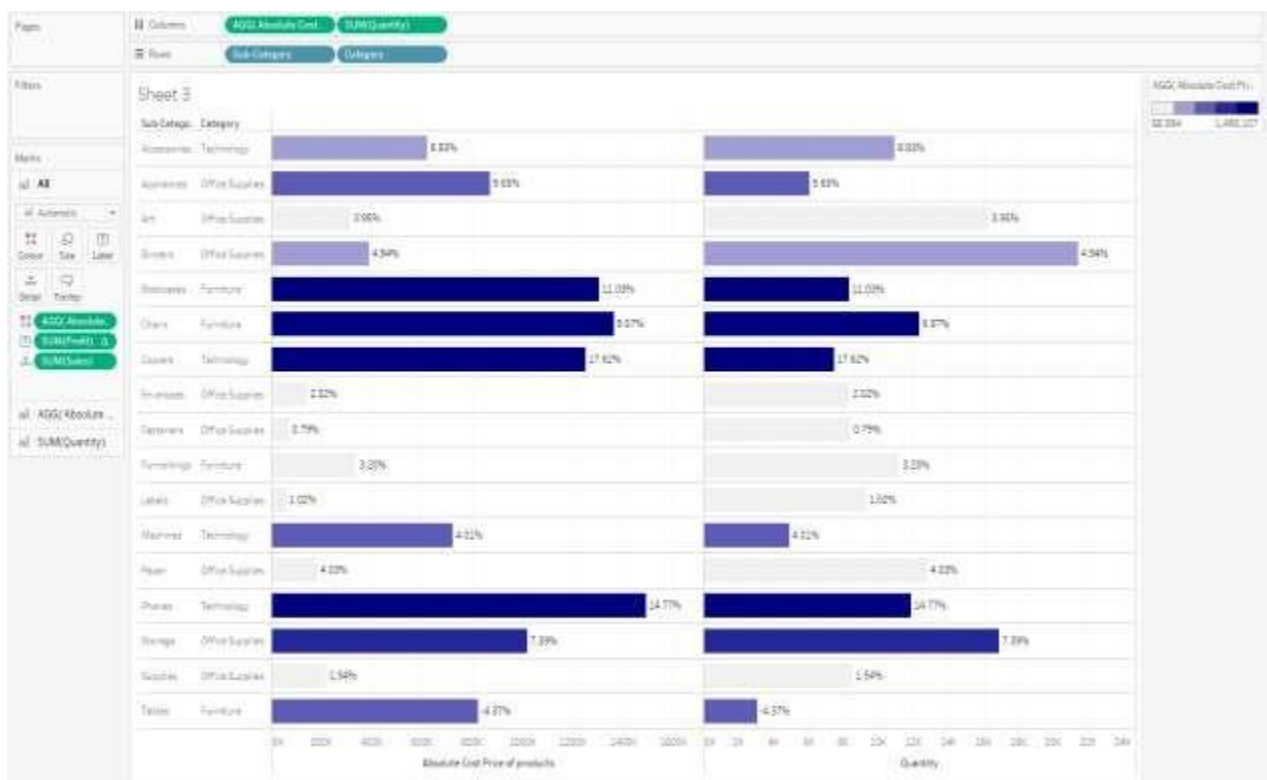
Absolute Cost Price of products

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

The calculation is valid.

Apply

OK



4th visualization

Total Cost

$\text{SUM}([\text{Shipping Cost}]) * \text{SUM}([\text{Sales}])$

The calculation is valid.



Now Let us see the Some LOD expressions

5th visualization

Sales per Customer Name

Sales Per Customer Name

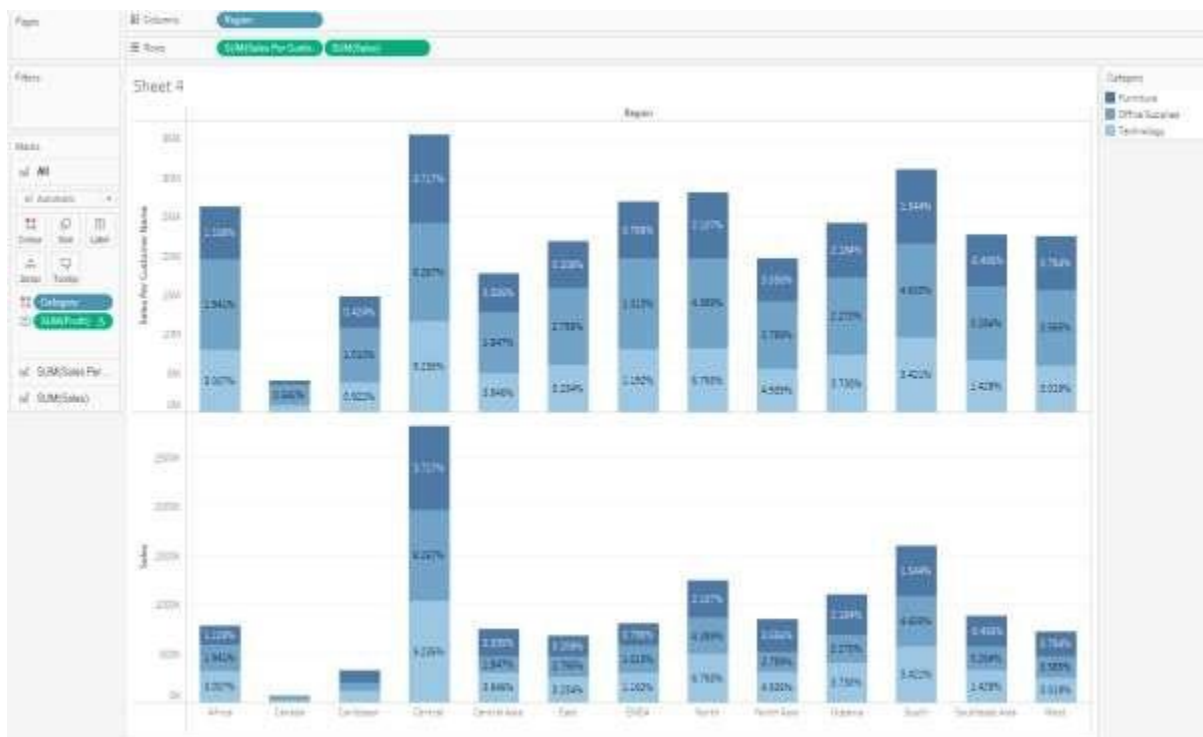
X

```
{ FIXED [Customer Name]:SUM([Sales]) }
```

The calculation is valid.

Apply

OK



6th visualization

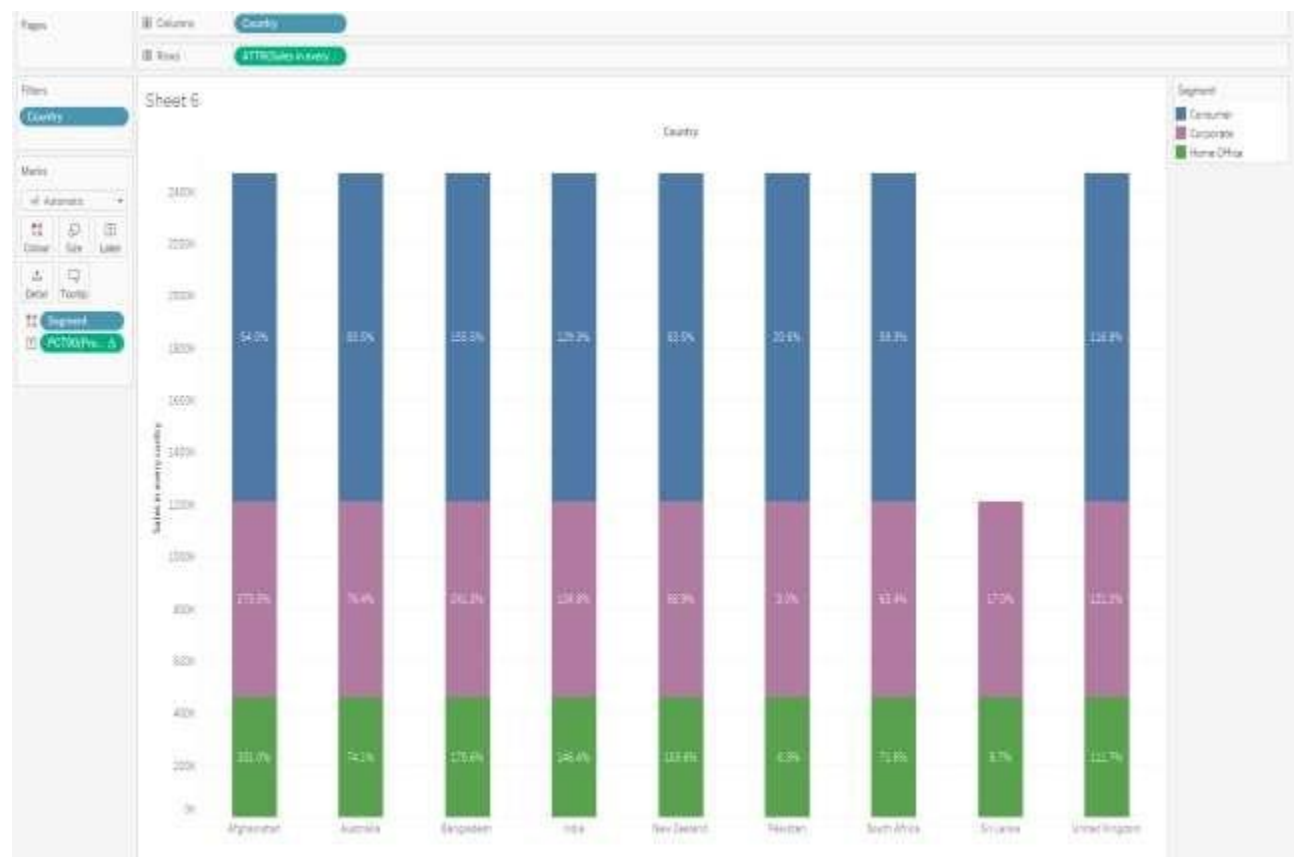
Sales for the World cup playing Countries

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



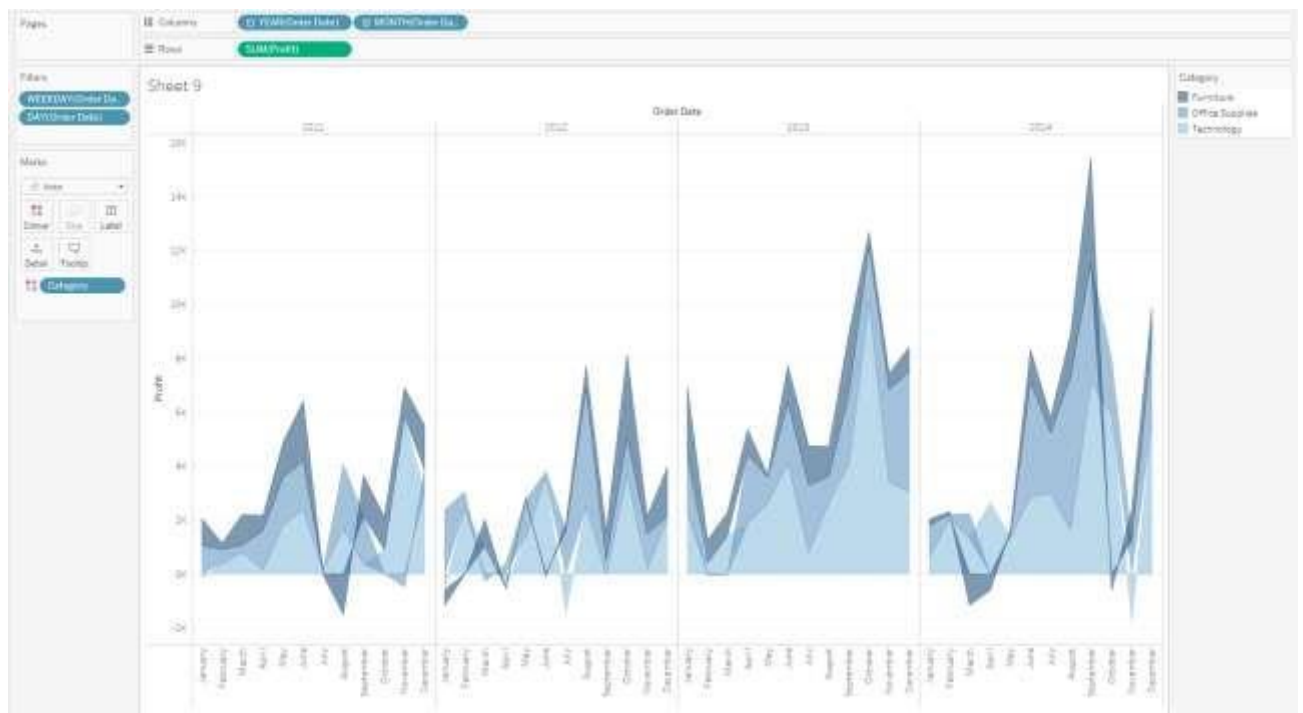
9th visualization

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