

## Smartinternz externship



## Data Analytics with IBM cognos Analytics

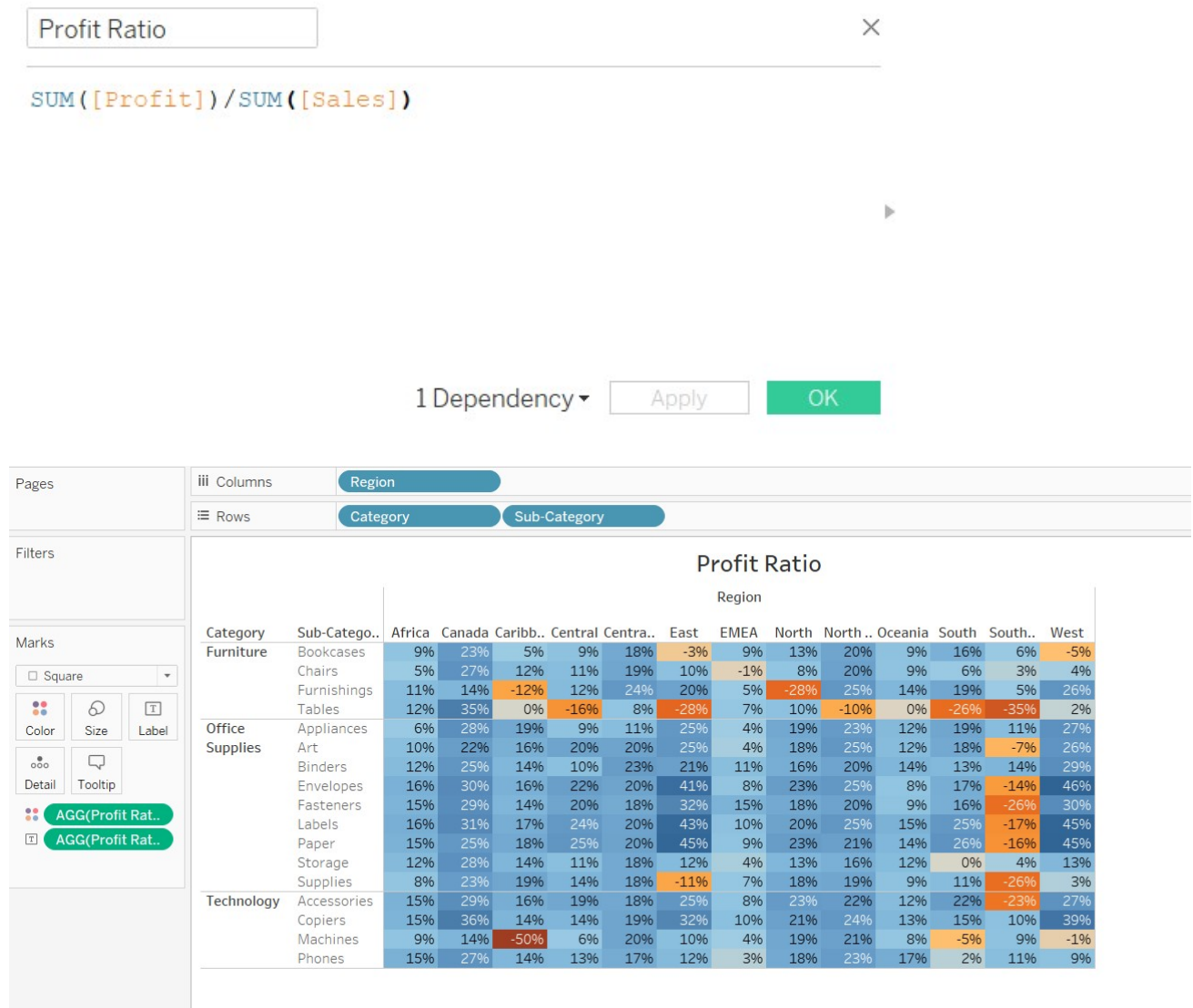
### Assignment 4

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# BASIC CALCULATIONS

Here are some of the basic calculations performed on the *Global Superstore* dataset over Tableau:

## 1. Profit Ratio



## 2. New Customer Acquisition

CheckNewExisting



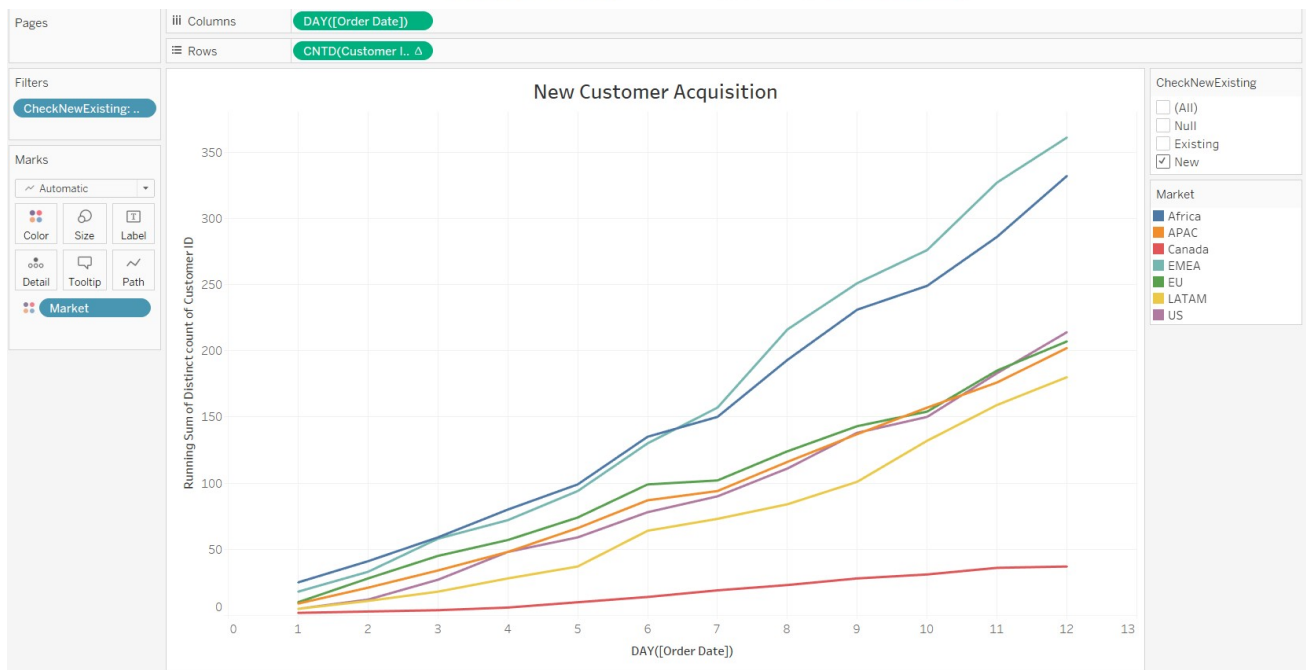
```
IIF([FixedOrderDate] = [Order Date], "New", "Existing")
```



1 Dependency ▾

Apply

OK



## LOD EXPRESSIONS

Here are some examples of LOD expressions used on the *Global Superstore* dataset over Tableau:

### 1. Customer Order Frequency

OrdersPerCust

×

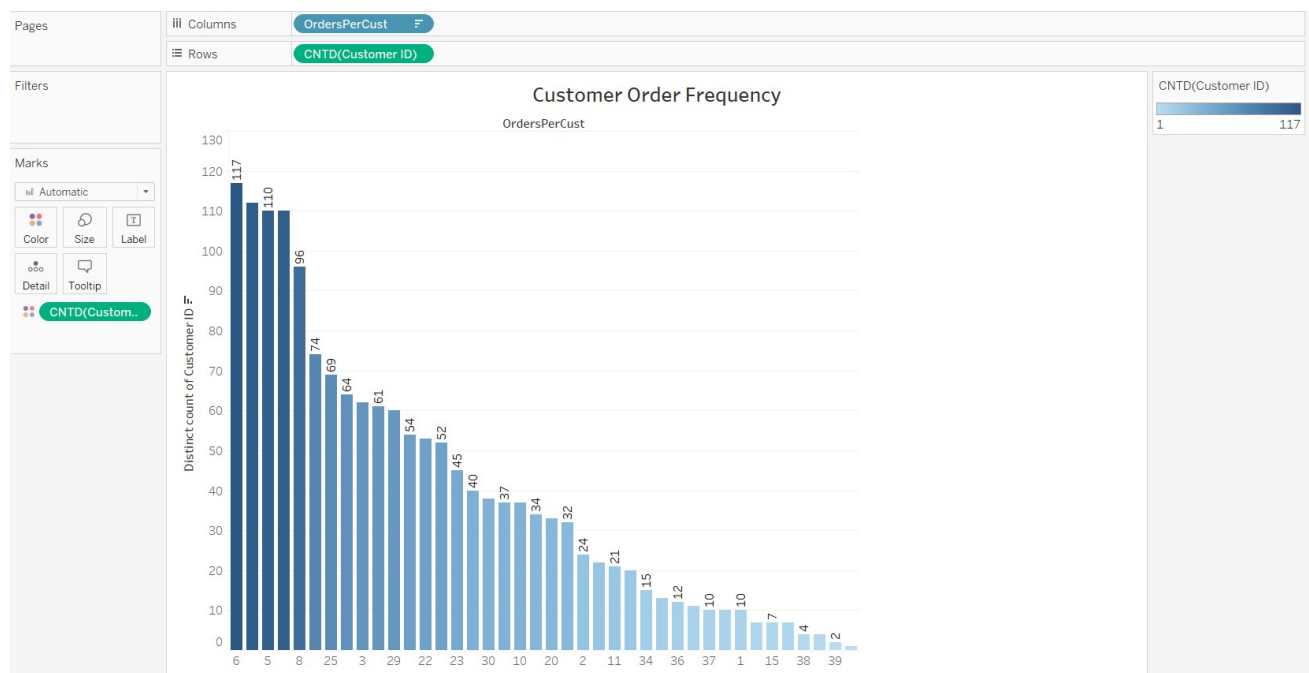
```
{FIXED [Customer ID] : COUNTD([Order ID])}
```

The calculation is valid.

1 Dependency ▾

Apply

OK



## 2. Repetitive Orders by Old Customers (Quarterly Purchases)

First Purchase



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



The calculation is valid.

4 Dependencies ▾

Apply

OK

Repeat Purchase



```
IIF([Order Date] > [First Purchase], [Order Date], NULL)
```



3 Dependencies ▾

Apply

OK

Second Purchase



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



2 Dependencies ▾

Apply

OK

