DATA ANALYTICS WITH IBM COGNOS
ASSIGNMENT – 4

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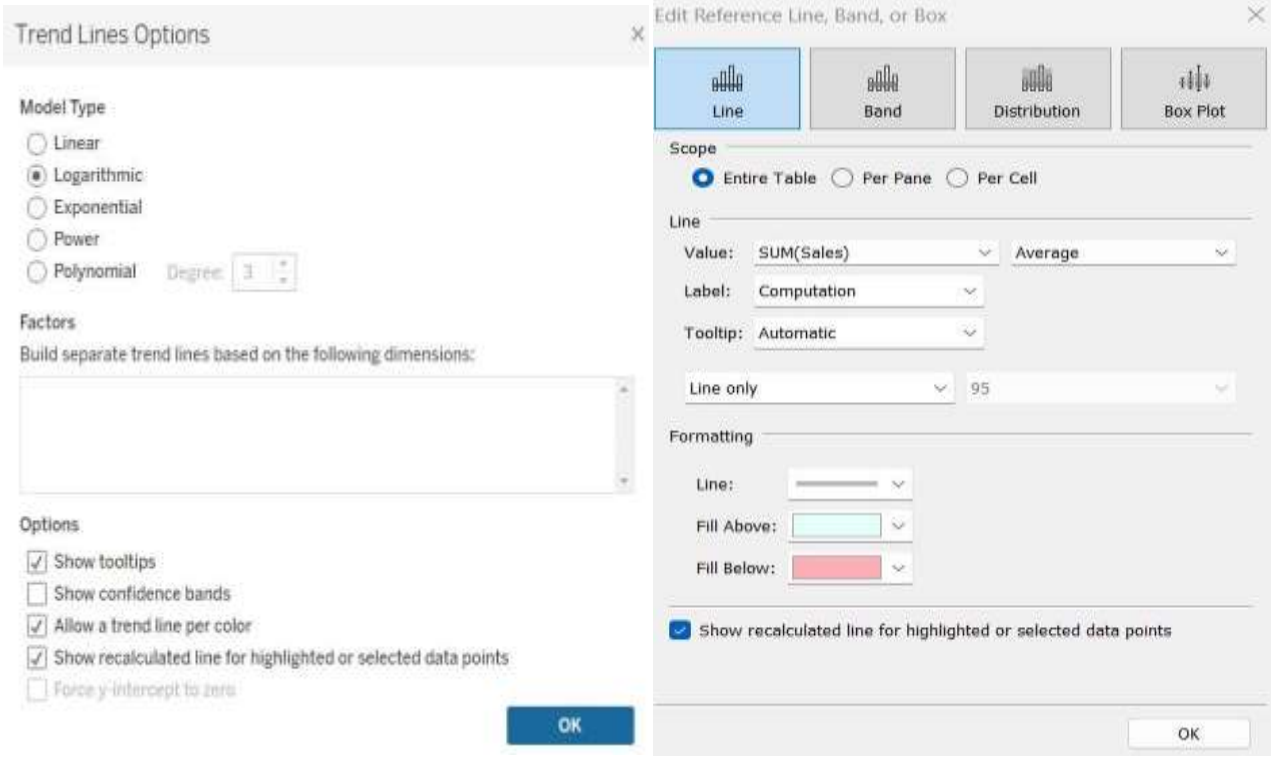
Challenge: Create calculations and LODs using Global Dataset in Tableau

Calculations:

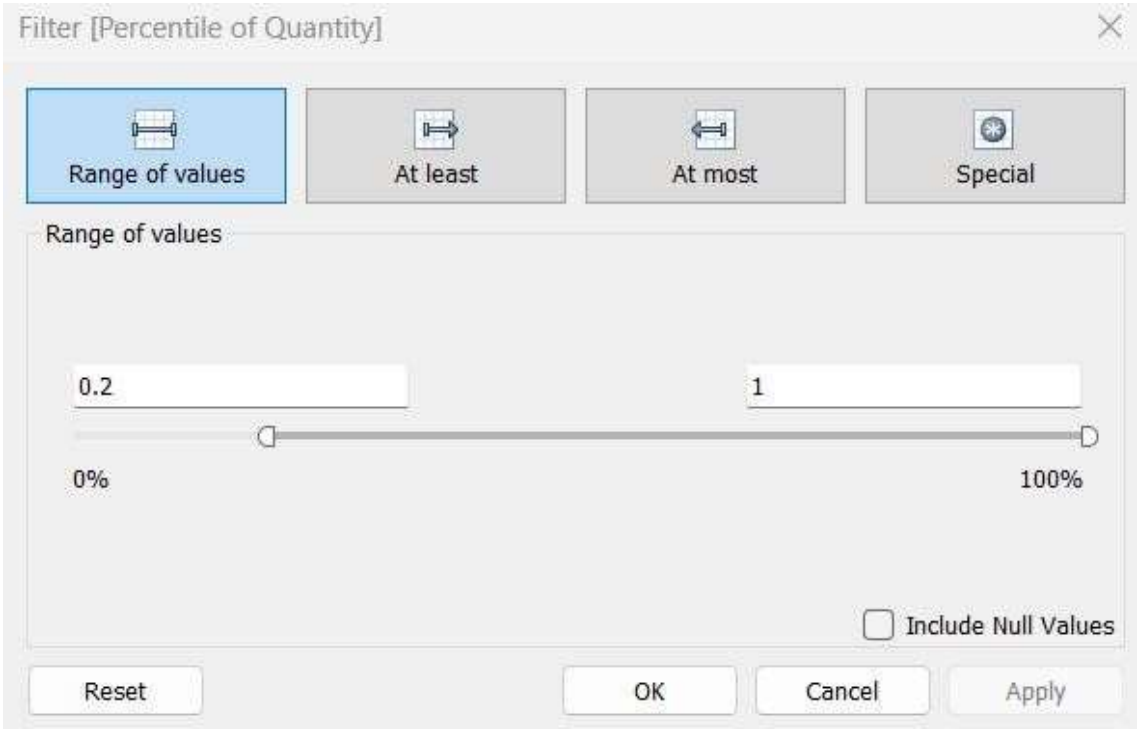
1. Model: Trend line and Reference line with the average



Visualization:

2. Model: Used SUM(Quantity) Quick Table Calculation>Percentile Quantity>Filter>Range from 0.2 to 1

This implies we are selecting only from the range 20% to 100%



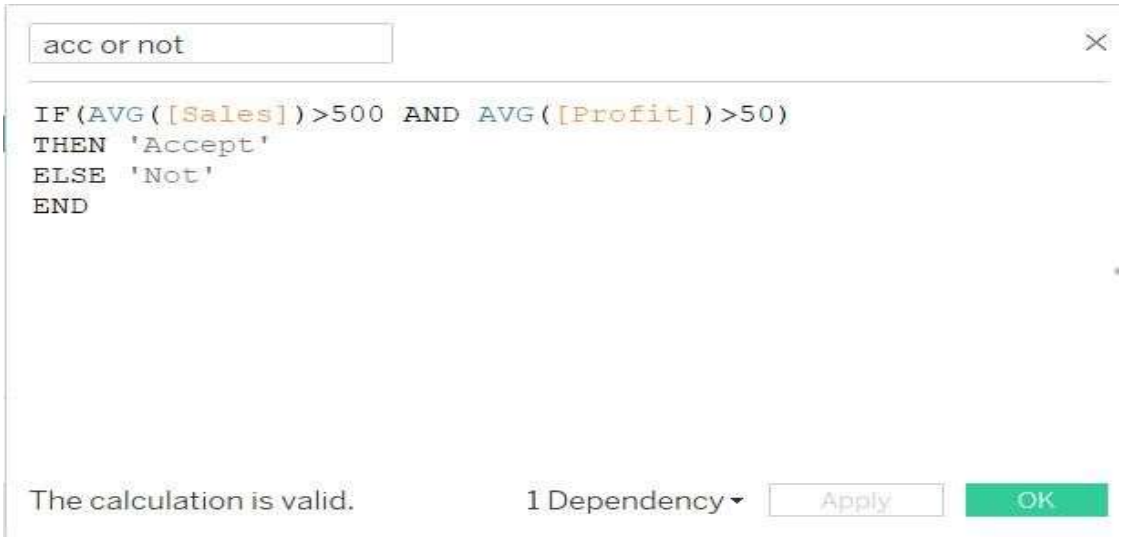
Visualization:

Level of Detail (LOD):

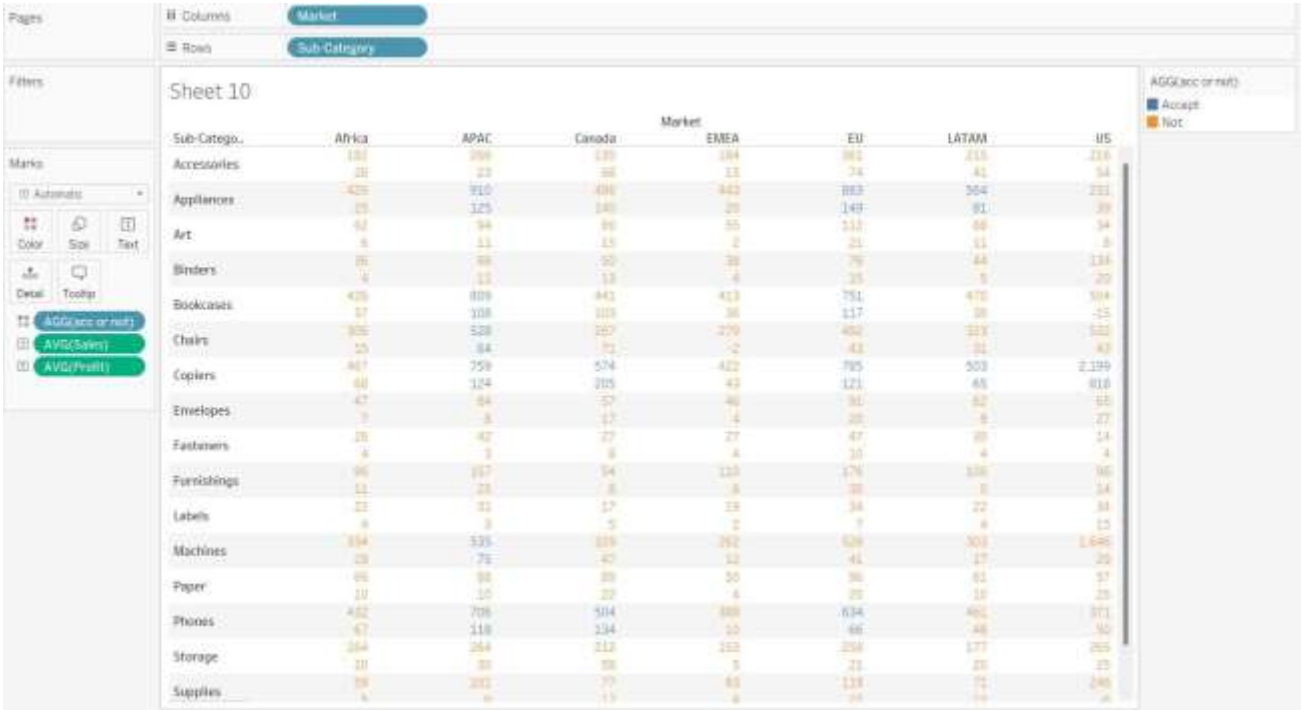
1. Model:

LOD Expression:

IF(AVG([Sales])>500 AND AVG([Profit])>50)
THEN 'Accept'
ELSE 'Not'
END



Visualization:



2. Model:

LOD Expression:

{ EXCLUDE [Segment]: SUM([Quantity])}

Visualization:

As we can observe here in the first row we passed the segment in colour and in the second row we passed our new calculated field “exc cat”. That is the reason we are not

having a specific segment in the second visualization because we have excluded it in the LOD expression.

3. Model:

LOD Expression:

{ INCLUDE [Region]:AVG([Profit])}

Visualization:

We are including the region in average profit where the default minimum value is 179.3 and the maximum value is 321.7.