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Creating a Data Module called Global Superstore dataset

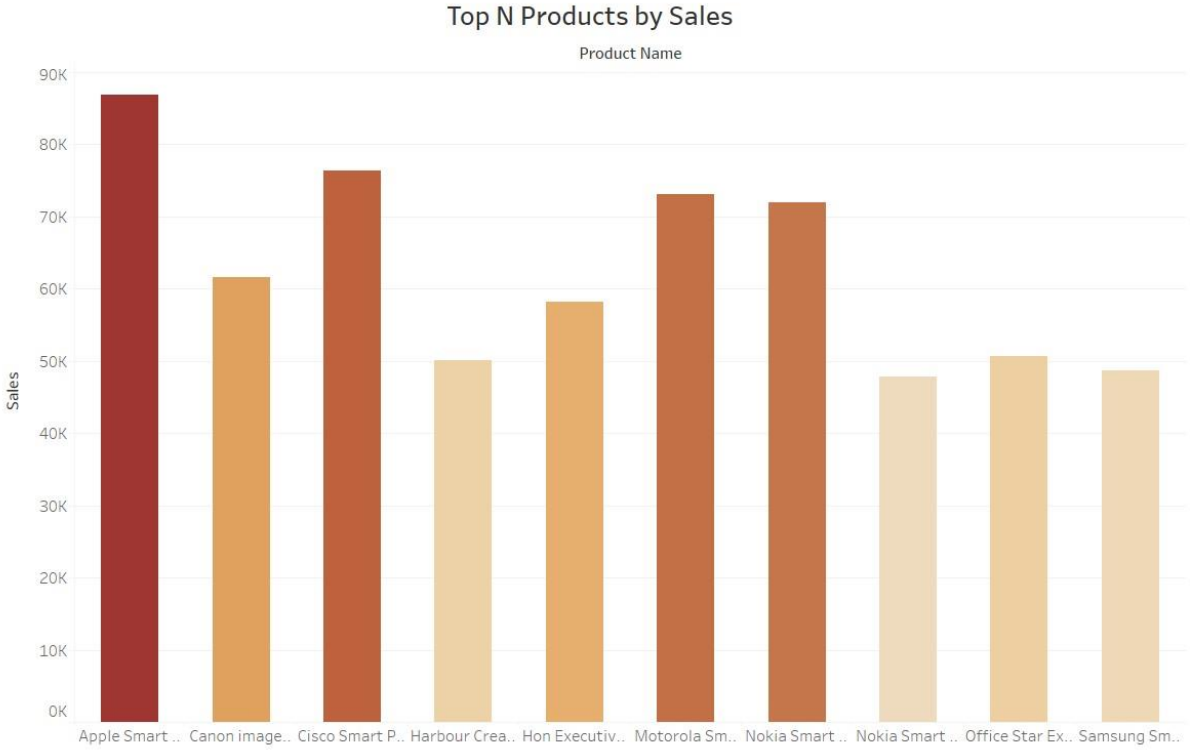
Basic Calculations: Using pre built functions provided by Tableau we try to create new 'Calculated fields'

1) **Yearly Sales:** Group sales by year.

   Calculation Formula: SUM(IF YEAR([Order Date]) = YEAR(TODAY()) THEN [Sales]
   END)

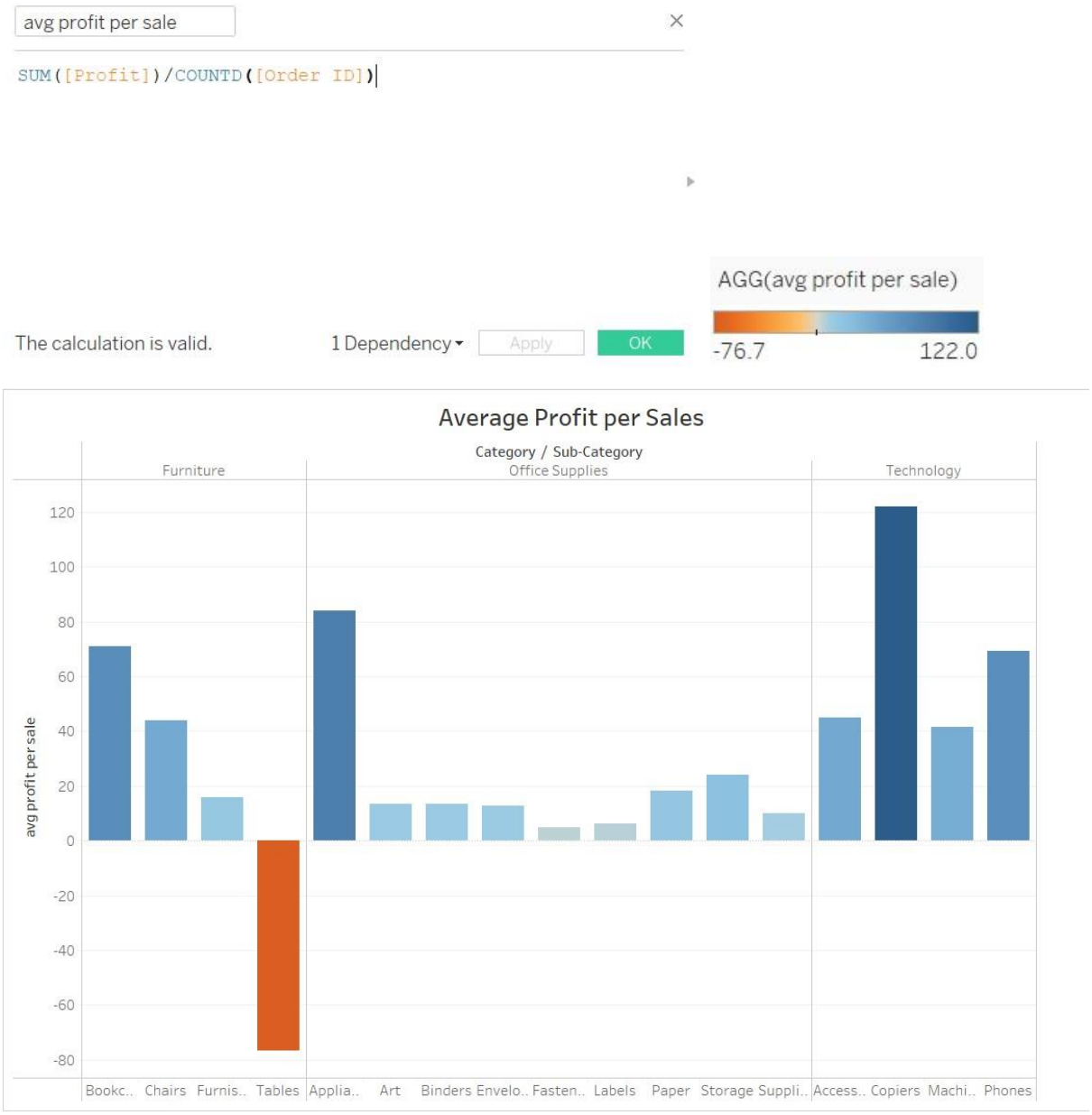
2) **Top N Products by Sales:** Find the top N products by sales.

Calculation Formula: { FIXED [Product Name] : SUM([Sales]) }



3) **Average Profit per Sale:** Calculate the average profit per sale.

Calculation Formula: SUM([Profit]) / COUNTD([Order ID])



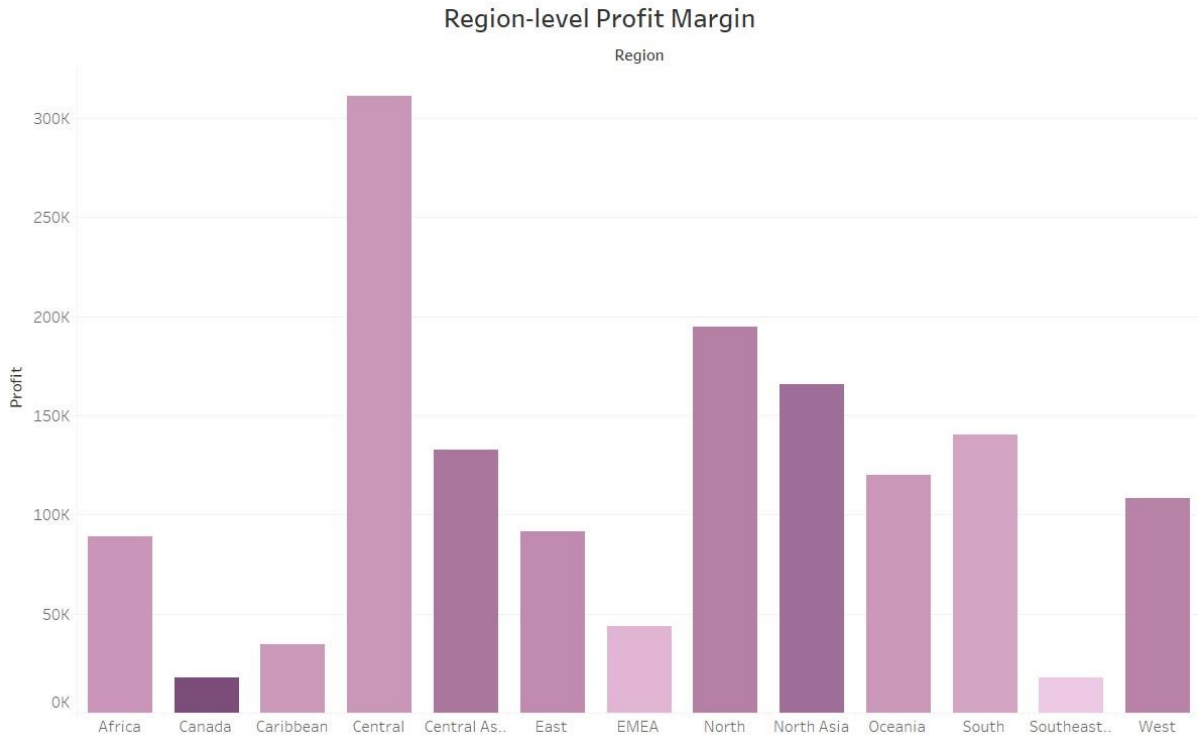
LOD Expressions: also called as Level of Detail. These Expressions contain three main functions

- FIXED
- INCLUDE
- EXCLUDE

2)

Region-Level Profit Margin: Calculate the profit margin for each region, considering the overall profit and sales.

LOD Expression: { FIXED [Region] : SUM([Profit]) / SUM([Sales]) }



3)

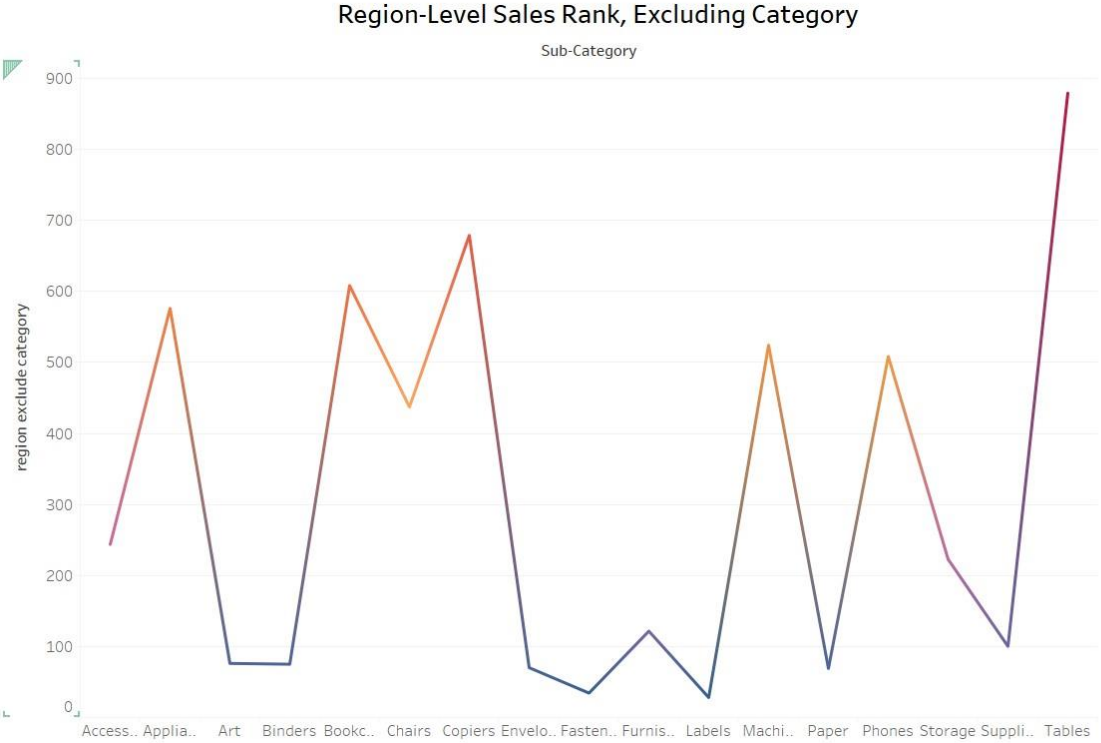
Category-Level Average Profit: Calculate the average profit for each category, regardless of the dimension of your view.

LOD Expression: { FIXED [Category] : AVG([Profit]) }

4)

Region-Level Sales Rank, Excluding Category: This ranks regions by sales while excluding the category dimension.

LOD Expression: { EXCLUDE [Category] : RANK(SUM([Sales])) }



Product Sub-Category-Level Max Sales, Including Region: This finds the maximum sales value for each product sub-category while including the region dimension.

5)

LOD Expression: { INCLUDE [Region], [Sub-Category] : MAX([Sales]) }