

TASK-3

Approach along with formulas



TO DO

Dashboarding Task : **Started using PowerBI (Not completed)**

Link to Excel File:

https://docs.google.com/spreadsheets/d/1rTD Y8fMDAIuhcwXsRvvQcf4oIroH-fcU/edit? usp=sharing&ouid=103676608938964511475&rtp of=true&sd=true

- Formulas for YTD Sales, YTD LY Sales, YoY Growth (= YTD Sales / YTD LY Sales -1)
- Formulas for YTD Sales, YTD LY Sales, YoY Growth (= YTD Sales / YTD LY Sales -1) but with Financial Year starting as April and not January
- Create a chart/table which shows only the top Sub-Category within each category (the top sub-category should dynamically change based on the selection)
- Write a formula to compute Target Achievement % (= Total Sales / Target).
 Target to be taken as user input and dashboard should allow user to change the target
- Create a bar chart :
 - With month as X-axis
 - For Y-axis, the chart should show either Sales or Quantity column depending on what the user wants to see
 - In the tooltip of each bar show the Top 5 Product Names for the month based on Profit
- Categorize the customers into Score between 1 to 4 based on the Total
 Sales value of the customer in the entire data
 - Bottom 25% customers Score =1
 - Next 25% customers Score =2
 - Next 25% customers Score =3
 - Top 25% customers Score =4

Formulas for YTD Sales, YTD LY Sales, YoY Growth (= YTD Sales / YTD LY Sales -1)

YTD -> Year to Date LY -> Last Year YoY -> Year-over-Year

```
#Create a calculated field for YTD Sales:

IF YEAR([Order Date]) = YEAR(TODAY())

THEN SUM([Sales])

ELSE 0

END

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```

```
# Create a calculated field for YoY Growth:

([YTD Sales] - [YTD LY Sales]) / [YTD LY Sales]

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```

```
#Create a calculated field for YTD LY Sales:

IF YEAR([Order Date]) = YEAR(TODAY()) - 1
THEN SUM([Sales])
ELSE 0
END

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```

Formulas for YTD Sales, YTD LY Sales, YoY Growth (= YTD Sales / YTD LY Sales -1) but with Financial Year starting as April and not January

YTD -> Year to Date LY -> Last Year YoY -> Year-over-Year

```
# YTD Sales
IF DATETRUNC('month', [Order Date]) > DATETRUNC('month', MAKEDATE(YEAR(TODAY()), 4, 1))
AND DATETRUNC('year', [Order Date]) = YEAR(TODAY())
THEN SUM([Sales])
ELSE 0
END

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```

```
# YTD LY Sales
IF DATETRUNC('month', [Order Date]) > DATETRUNC('month', MAKEDATE(YEAR(TODAY()) - 1, 4, 1))
AND DATETRUNC('year', [Order Date]) = YEAR(TODAY()) - 1
THEN SUM([Sales])
ELSE 0
END

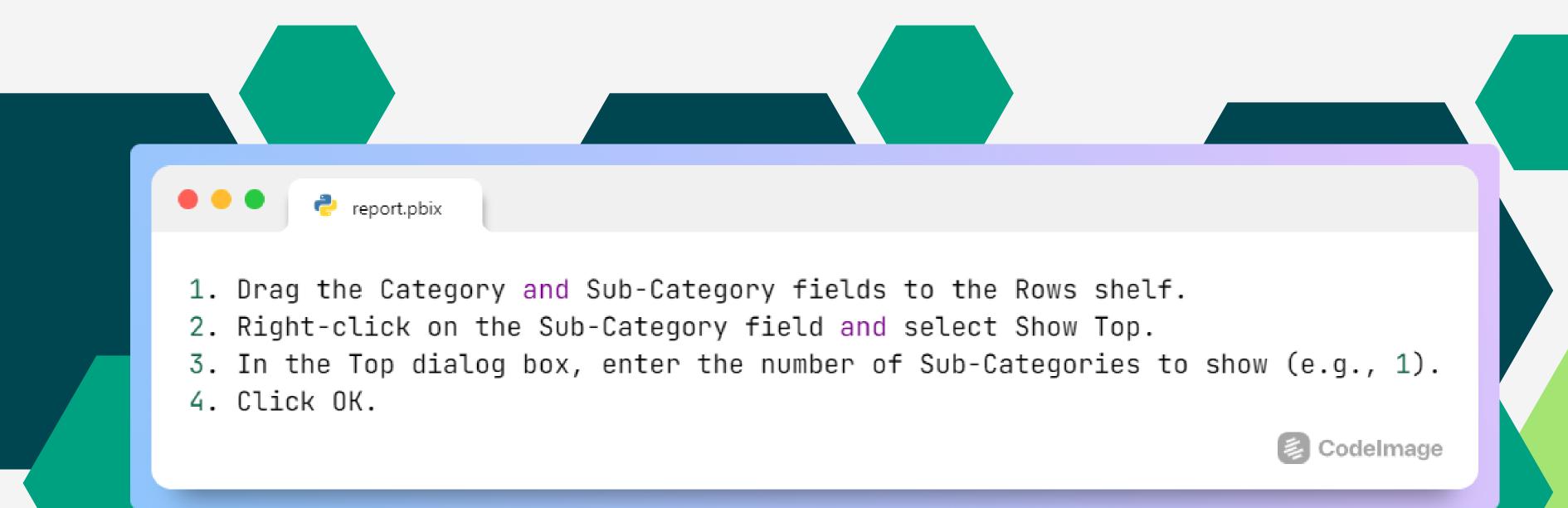
© Codelmage
```

```
# YoY Growth
([YTD Sales] - [YTD LY Sales]) / [YTD LY Sales]

© Codelmage
```

Create a chart/table which shows only the top Sub-Category within each category (the top sub-category should dynamically change based on the selection)

To create a chart/table which shows only the top Sub-Category within each category, we can use the following steps:



Write a formula to compute Target Achievement % (= Total Sales / Target). Target to be taken as user input and dashboard should allow user to change the target

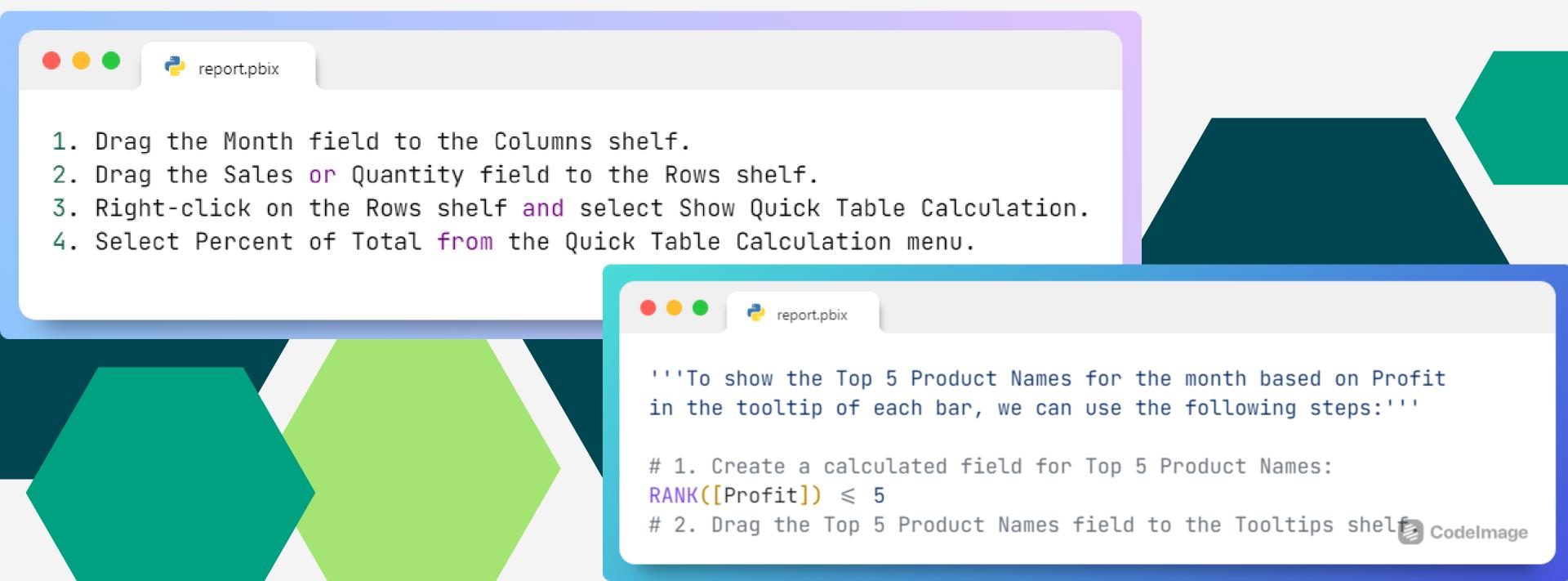
```
# Target Achievement %
SUM([Sales]) / [Target]

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```

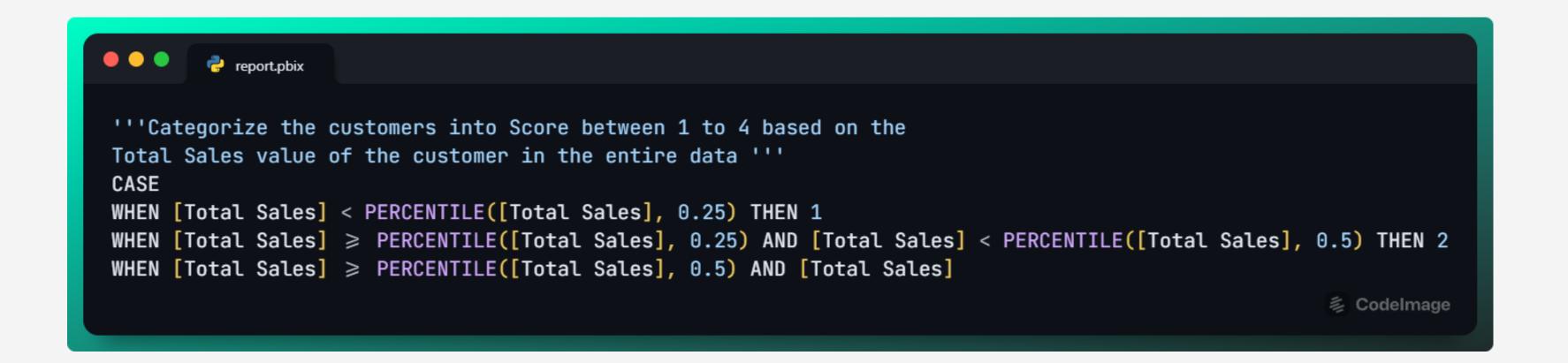
```
# Target Achievement % with parameter
SUM([Sales]) / [Target Parameter] & Codelmage
```

Create a bar chart with month as X-axis and either Sales or Quantity column depending on what the user wants to see. In the tooltip of each bar show the Top 5 Product Names for the month based on Profit

To create a bar chart with month as the X-axis and either Sales or Quantity column depending on what the user wants to see, we can use the following steps:

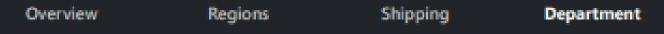


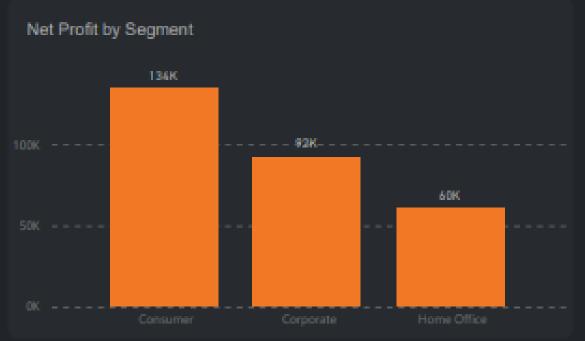
Categorize the customers into Score between 1 to 4 based on the Total Sales value of the customer in the entire data



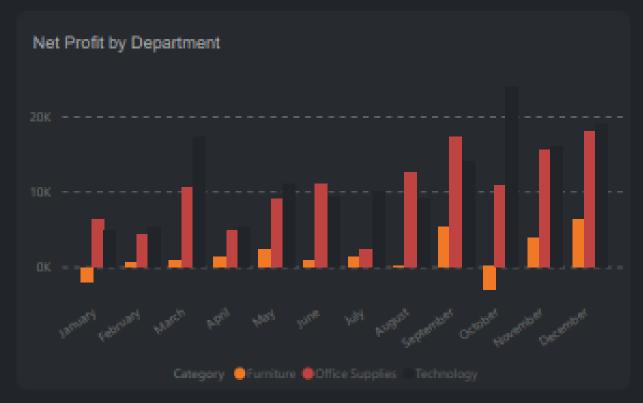
Calendar Year Category Sub-Category Product Name Segment

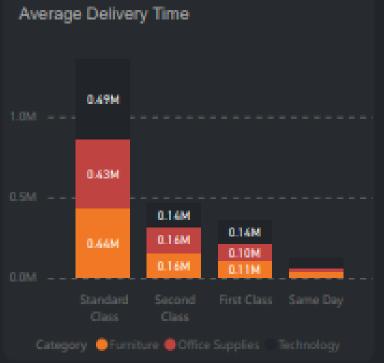
Sales Dashboard









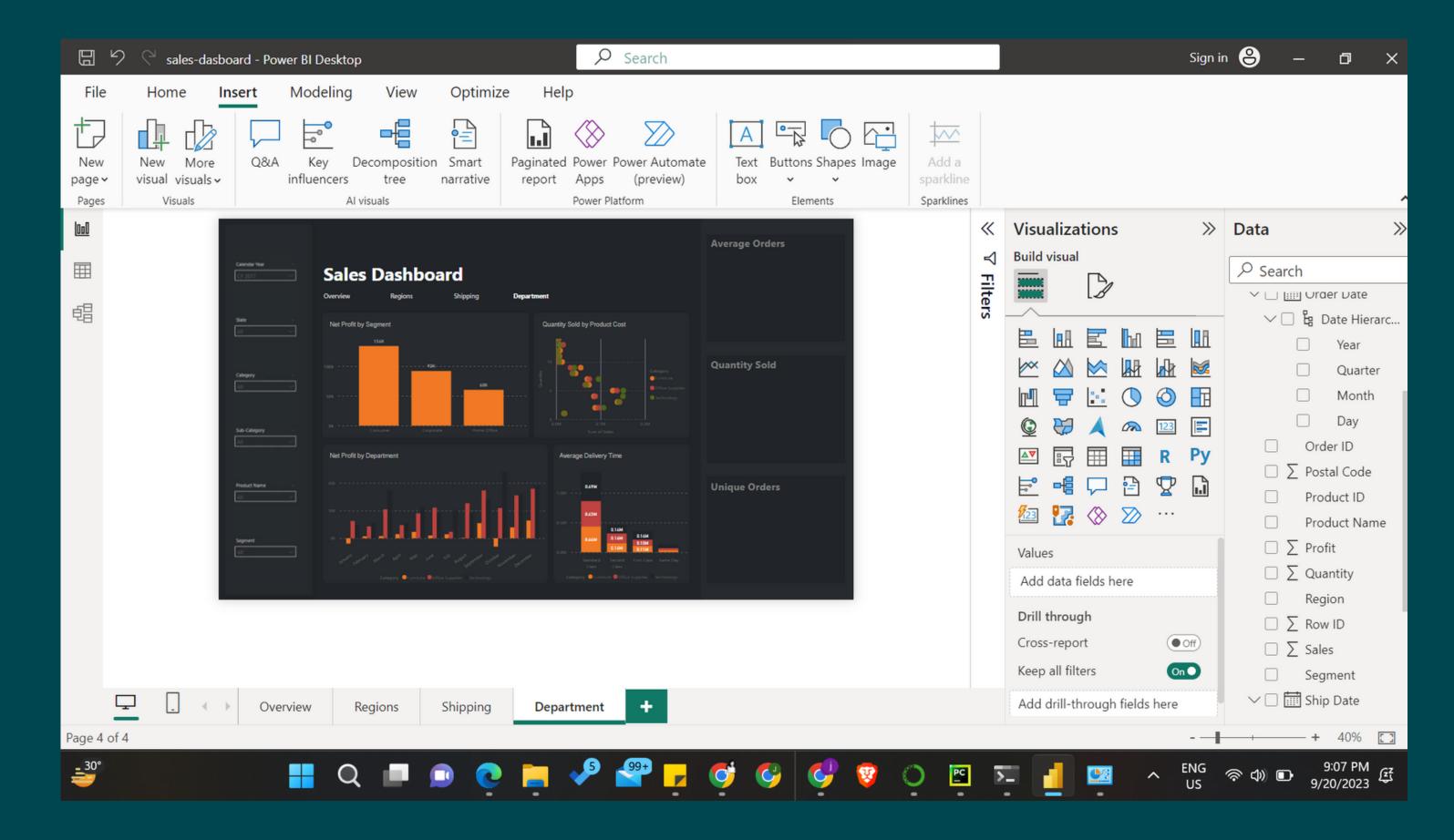


Average Orders

Quantity Sold

Unique Orders

Work in Progress



Check EDA at

LINK:

https://drive.google.com/file/d/1EfuqqFb2Y1DLA8Lg5H3iYKyjxo_fFZ_D/view?usp=sharing