**Interactive Multipage Sales Dashboard**

Data Analysis using Power Bi

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1. Formula to create Calendar table

Calendar =

VAR Basetable = Calendar(FIRSTDATE(‘Sales Data’[Sales Date]), TODAY())  
RETURN  
Addcolumns(  
 Basetable,  
 “Year”, YEAR([Date]),

“Month”, FORMAT([Date], “MMM”),  
 “Month No”, MONTH([Date]),  
 “Month Year”, FORMAT([Date], “MMM YY”),

“End of Month”, EOMONTH([Date],0))

1. Formula to create Total Sales

Total Sales = SUMX(‘Sales Data’, ‘Sales Data’[Final Sales Price])

1. Formula to create Total Cost

Total Cost = SUMX(‘Sales Data’, ‘Sales Data’[Cost Price])

1. Formula to create Total Profit

Total Profit = SUMX(‘Sales Data’, ‘Sales Data’[Profit/Loss])

1. Formula to create Total Profit%

Total Profit% = DIVIDE([Total Profit], [Total Cost])

1. Formula to create Sales LY

Sales LY = CALCULATE([Total Sales], DATAADD(‘Calendar’[Date], -1, Year))

1. Formula to create TS-Diff

TS-Diff = DIVIDE([Total Sales]-[Sales LY],[Sales LY])

1. Formula to create Cost LY

Cost LY = CALCULATE([Total Cost], DATAADD(‘Calendar’[Date], -1, Year))

1. Formula to create TC-Diff

TC-Diff = DIVIDE([Total Cost]-[Cost LY],[Cost LY])

1. Formula to create Profit LY

Profit LY = CALCULATE([Total Profit], DATAADD(‘Calendar’[Date], -1, Year))

1. Formula to create TP-Diff

TP-Diff = DIVIDE([Total Profit]-[Profit LY],[Profit LY])

1. Formula to create Profit% LY

Profit% LY = CALCULATE([Total Cost], DATAADD(‘Calendar’[Date], -1, Year))

1. Formula to create TP%-Diff

TP%-Diff = DIVIDE([Total Profit%]-[Profit% LY],[Profit% LY])

1. Formula to create TS Colour

TS Colour = SWITCH(TRUE(),[Total Sales]>[Sales LY],”green”, ”red”)

1. Formula to create TC Colour

TC Colour = SWITCH(TRUE(),[Total Cost]>[Cost LY],”green”, ”red”)

1. Formula to create TP Colour

TP Colour = SWITCH(TRUE(),[Total Profit]>[Profit LY],”green”, ”red”)

1. Formula to create TP% colour

TP% Colour = SWITCH(TRUE(),[Total Profit%]>[Profit% LY],”green”, ”red”)

1. Formula to create Product Rank

Product Rank = IF(

HASONEVALUE(‘Products Details’[Product Names]),

RANKX(ALL(‘Products Details’[Product Name]),

‘All Measures’[Total Sales],,DESC))

1. Formula to create Prod colour

Prod Colour = IF([Prod Rank]<= ‘TOPN’[TOPN value],”#7999FF”,”#4F4F4F”)

1. Formula to create Country Rank

Country Rank = IF(

HASONEVALUE(‘Location Details’[Country]),

RANKX(ALL(‘Location Details[Country]),

‘All Measures’[Total Sales],,DESC))

1. Formula to create Country colour

Country Colour = IF([Country Rank]<= ‘TOPN’[TOPN Values],”#7999FF”,”4F4F4F”)

1. Formula to create New Customer

New Customers = COUNTX(FILTER(‘Sales Data’, ‘Sales Data’[Customer Type])

1. Formula to create Old Customer

Old Customers = COUNTX(FILTER(‘Sales Data’, ‘Sales Data’[Customer Type]=”New”), ‘Sales Data’[Customer Type])

1. Formula to create Total Customer

Total Customers = COUNTX(‘Sales Data’, ‘Sales Data’[Customer Type])

1. Formula to create Total Target Sales

Total Target Sales = Average(‘Sales Target’[Target])

1. Formula to create Target Status

Target Status = SWITCH(TRUE(),[Total Sales]>[Total Target Sales], “#008050”, “#C00000”)

1. Formula to create Customer Rating Count

Customer Rating Count = COUNTX(‘Sales Data’[Customer rating])

1. Formula to create Customer Rating LY

Customer Rating LY = CALCULATE([Customer rating count],SAMEPERIODLASTYEAR(‘Calendar’[Date]))

1. Formula to create Customer Rating% diff

Customer Rating% diff = DIVIDE([Customer Rating Count]-[Customer Rating LY],[Customer Rating LY])

1. Formula to create CR Colour

CR Colour = SWITCH(TRUE(),[Customer Rating Count]>[Customer Rating LY],”#00B050”,”#C00000”)