**Car Sales Dashboard**

**Background**: Our company is a car dealership that sells various car models. To effectively track and analyse our sales performance, we need a comprehensive Car Sales Dashboard in Power BI.

**Objective**: The objective of this project is to design and develop a dynamic and interactive Car Sales Dashboard using Power BI. The dashboard will visualize critical KPIs related to our car sales, helping us understand our sales performance over time and make data-driven decisions.

**DAX FUNCTION :-**

Calendar Table Calculation:-

Calendar Table = CALENDAR(MIN(car\_data[Date]),MAX((car\_data[Date])))

Month = FORMAT('Calendar Table'[Date],"MMMM")

week = WEEKNUM('Calendar Table'[Date])

Year = YEAR('Calendar Table'[Date])

YTD Total Sales = TOTALYTD(SUM(car\_data[Price ($)]),'Calendar Table'[Date])

YTD Cars Sold = TOTALYTD(COUNT(car\_data[Car\_id]),'Calendar Table'[Date])

YTD Avg Price = TOTALYTD([Avg Price], 'Calendar Table'[Date])

YOY Sales = [Sales Difference]/[PYT Total Sales]

YOY Car Sold Growth = [Cars Sold Diff]/[YTD Cars Sold]

MTD Total Sales = TOTALMTD(SUM(car\_data[Price ($)]), 'Calendar Table'[Date])

MTD KPI = CONCATENATE("MTD Total Sales :", FORMAT([MTD Total Sales]/1000000, "$0.00M"))

MTD Cars Sold KPI = CONCATENATE("MTD Cars Sold :", FORMAT([MTD Cars Sold]/1000, "$0.00M"))

MTD Cars Sold = TOTALMTD(COUNT(car\_data[Car\_id]), 'Calendar Table'[Date])

MTD Avg Price KPI = CONCATENATE("MTD Avg Price : ", FORMAT([MTD Avg Price] / 1000, "$0.00k"))

MTD Avg Price = TOTALMTD([Avg Price],'Calendar Table'[Date])

PYT Total Sales = CALCULATE(SUM(car\_data[Price ($)]), SAMEPERIODLASTYEAR('Calendar Table'[Date]))

PYTD Avg Price = CALCULATE([Avg Price],SAMEPERIODLASTYEAR('Calendar Table'[Date]))

PYTD Cars Sold = CALCULATE(COUNT(car\_data[Car\_id]),SAMEPERIODLASTYEAR('Calendar Table'[Date]))

Sales Diff Colour = IF([Sales Difference]>0,"Green","Red")

Sales Difference = [YTD Total Sales]-[PYT Total Sales]

Total Sales = SUM(car\_data[Price ($)])

Avg cPrice Diff = [YTD Avg Price]-[PYTD Avg Price]

Avg Price = SUM(car\_data[Price ($)]) / COUNT(car\_data[Car\_id])

Avg Price Colour = IF([Avg cPrice Diff]>0,"Geen","Red")

Cars Sold Colour = IF(car\_data[Cars Sold Diff]>0, "Geen" , "Red")

Cars Sold Diff = [YTD Cars Sold] - [PYTD Cars Sold]