

# DAX Depo – Power BI Project

## Project Overview

This project demonstrates the use of DAX (Data Analysis Expressions) in Power BI to analyze depot-level data and present insights through interactive dashboards.

## Tools & Technologies

- Power BI Desktop
- DAX (Data Analysis Expressions)
- Power Query
- Excel / CSV Data Sources

## Dataset Description

The dataset includes depot information such as sales, quantities, dates, and performance metrics. Data cleaning and transformation were handled using Power Query.

## Data Modeling

Relationships were created between tables and a star schema approach was used where applicable to ensure optimal performance.

## DAX Measures Used

Key DAX functions such as SUM, AVERAGE, CALCULATE, FILTER, IF, and DIVIDE were used to generate KPIs and analytical insights.

## Dashboard Features

- Interactive visuals and charts
- KPI cards
- Slicers for filtering
- Depot-wise performance analysis

## Issues Encountered & Solutions

Incorrect totals were resolved by fixing relationships and DAX logic. Blank values were handled using IF and BLANK functions. Performance issues were addressed by optimizing measures.

## **Key Learnings**

- Improved understanding of DAX
- Hands-on Power BI experience
- Better data modeling and visualization skills

## **Conclusion**

This project shows how Power BI and DAX can transform raw data into meaningful and actionable business insights.