

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.