Project Report – 1

Global Business Performance Analysis

Introduction

Global business performance analysis helps organizations understand sales, profit, and growth trends across countries and regions. This project analyzes global business data to support strategic and data-driven decision-making.

Abstract

SQL was used for data cleaning and KPI calculations, Python for exploratory analysis, and Power BI for visualization. The project focuses on country-wise performance, product contribution, and time-based growth trends.

Tools Used

SQL, Python (Pandas), Power BI

Steps Involved

1. Data cleaning and preparation
2. Revenue and profit KPI calculation
3. Country and product-level analysis
4. Trend and growth analysis
5. Power BI dashboard development

Conclusion

This project provides clear insights into global business performance and helps improve profitability and regional strategy through data-driven analysis.

Project Report – 2

Healthcare Appointment No-Show Prediction

Introduction

Missed healthcare appointments lead to revenue loss and inefficient use of medical resources. This project focuses on analyzing healthcare appointment data to understand and predict patient no-shows.

Abstract

SQL was used for data preparation, Python for exploratory analysis and machine learning, and Power BI for dashboard visualization. The analysis identifies key factors such as age, appointment day, and reminder status affecting no-show behavior.

Tools Used

SQL, Python (Pandas, Scikit-learn), Power BI

Steps Involved

1. Data cleaning and preparation
2. No-show trend analysis
3. Feature analysis using Python
4. No-show prediction model
5. Power BI dashboard creation

Conclusion

The project helps healthcare providers reduce appointment no-shows, improve scheduling efficiency, and enhance overall patient care using data-driven insights.