Data Analytics Portfolio

Welcome to My Data Analytics Portfolio**!** This portfolio highlights my journey and expertise in data analytics. Here, you'll find an overview of my projects, complete with descriptions, tools utilized, and key takeaways. This project showcases my ability to analyze data, build solutions, and deliver meaningful insights. Explore my work to learn more!

Projects
1. Patient Appointment No-Show Analysis
Date: January 2025
Description:
In this project, I analyzed a hospital's appointment dataset to uncover patterns and factors influencing patient no-shows. Key variables such as appointment day, patient demographics, appointment day, times, and no-show status where examined.

Tools and Techniques:
- MySQL:- Querying data using MySQL to extract relevant information.
- Excel:-Data Cleaning & Preprocessing**.**
- Python:- Exploratory Data Analysis (EDA).
- Power Bi:- Dashboard Visualizations.
- Dataset: Kaggle dataset with 1.1 lakh rows and 18 columns.

Key Insights:
Through this analysis, I discovered key factors influencing patient no-shows, including demographics, age, health issues, SMS reminders, and scheduled appointment times. These insights revealed patterns, such as higher no-show rates in specific age groups and for patients with certain health conditions. Based on the findings, I provided actionable recommendations, including optimizing appointment schedules, enhancing SMS reminder strategies, and tailoring communication for specific patient demographics, to help reduce no-show percentages effectively.

Skills Demonstrated:
- Data preprocessing and cleaning
- Exploratory data analysis (EDA)
- Data visualization using Power BI, Matplotlib, and Seaborn
- Actionable insights and recommendations
- Handling large datasets efficiently

Thank you for visiting my portfolio!