

Project Title: UK Train Rides

This project analyzes train ticket sales data in the UK to extract meaningful insights and trends. The dataset includes various features such as ticket price, class, type, purchase method, journey status, refund requests, and more. The main objectives of the analysis were to:

- Calculate the average ticket price by ticket class and ticket type.
- Analyze the number of tickets purchased online vs at the station.
- Determine the number of refund requests for each journey status (Completed, Cancelled, Delayed).
- Count the number of purchases based on payment method.
- Identify sales trends over time and forecast future rides and revenue using linear regression.
- Examine railcard usage, purchase behavior by time of day, and the distribution of destinations.

The analysis involved data cleaning, visualization with Seaborn and Matplotlib, and predictive to reveal clearer pricing trends.