**UK Train Rides**

Train ticket data for National Rail in the UK, from Jan to Apr 2024, including details on the type of ticket, the date & time for each journey, the departure & arrival stations, the ticket price, and more.

This dataset was originally provided by Maven Analytics may Challenge.

You've been asked by your manager to **create an exploratory dashboard** that helps them:

* Identify the most popular routes
* Determine peak travel times
* Analyze revenue from different ticket types & classes
* Diagnose on-time performance and contributing factors

**Tasks:**

Upload the data to SQL Server in your DAS404 Database.

Connect PowerBI to SQL Server and Extract the data

Transform the data by duplicating the Railway data and creating 2 new tables

* Payment: Payment\_ID and Payment\_Type
* Ticket Types: Ticket\_ID and Ticket\_Type

The IDs should be 1,2,3.. along with each unique value

Replace the types with the respective IDs in the main Railway table

Load and model the data to begin analysis.

**Modelling**

Payment Method

Ticket Type

Railway

**Brief:**

Create a report that contains **an exploratory dashboard that helps analyse traveller behaviour and operating performance.**