UK National Rail (Mock Data)

Covers train ticket sales for departures from January 2024 to April 2024 inclusive

Single table, 31653 rows, 18 columns

Downloaded from https://mavenanalytics.io/data-playground

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```
-- Top 10 Most Popular Train Routes in the Dataset

SELECT TOP (10) Departure_Station, Arrival_Destination, COUNT(Transaction_ID) AS
'Number_of_Tickets_Sold'

FROM uk_national_rail.railway

GROUP BY Departure_Station, Arrival_Destination

ORDER BY COUNT(Transaction_ID) DESC;


-- Top 10 Most Popular Departure Times in the Dataset

SELECT TOP (10) Departure_Time,

   ROUND(CAST(COUNT(Transaction_ID) AS FLOAT)/CAST(COUNT(DISTINCT Date_of_Journey) AS FLOAT), 2)

   AS 'Average_Count_of_Train_Tickets_Purchased'

FROM uk_national_rail.railway

GROUP BY Departure_Time

ORDER BY Average_Count_of_Train_Tickets_Purchased DESC;


-- Revenue in British Pounds for Different Ticket Types and Classes

SELECT Ticket_Class, Ticket_Type, SUM(PRICE) AS 'Total_Revenue'

FROM uk_national_rail.railway

GROUP BY Ticket_Class, Ticket_Type

ORDER BY Ticket_Class DESC, Ticket_Type DESC;


-- Contributing Factors to Delays and Cancelations

SELECT Reason_for_Delay, Journey_Status, COUNT(Transaction_ID) AS 'Number_of_Instances'
```

```
FROM uk_national_rail.railway
WHERE Reason_for_Delay IS NOT NULL
GROUP BY Reason_for_Delay, Journey_Status
ORDER BY Reason_for_Delay, Journey_Status;
```