



Maven Challenges / Maven Rail Challe...

CURRENT CHALLENGE

Maven Rail Challenge

Create an exploratory dashboard that helps analyze traveler behavior and operating performance.

May 16, 2024

Start date

2 days

Days remaining

Jun 09, 2024

Deadline

3 Annual Memberships + 1 Winner T-Shirt

Grand prize

Submit Your Project

Challenge Objective

For the **Maven Rail Challenge**, you'll play the role of a BI Developer for National Rail, a company that provides business services to passenger train operators in England, Scotland, and Wales.

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

HOW TO WIN

We'll be crowning 3 separate winners:

1. A general "Challenge Winner" for the best entry
2. A "First-time Entrant" winner
3. A "Fan Favorite" winner (*based on project likes in Maven Showcase*)

Please consult the Terms & Conditions for full details.

About The Data Set

The data contains mock train ticket sales for National Rail in the UK, from January to April 2024, including details on the type of ticket, the date & time for each journey, the departure & arrival stations, the ticket price, and more.



UK Train Rides

Mock train ticket data for National Rail in the UK, from Jan to Apr 2024.

CSV

File type

Single table

Data structure

31653

of records

18

of fields

[View Details](#)

ARE YOU READY TO PLAY?

How to join the Maven Rail Challenge

Create Your Project

Create a project based on the challenge objective and publish it to your Maven portfolio
(make sure to select the Maven Challenge in the project options)

2

Share Your Project

Share a LinkedIn post mentioning @Maven Analytics and the hashtag #mavenrailchallenge, with an image or link to your project

3

Follow & Win

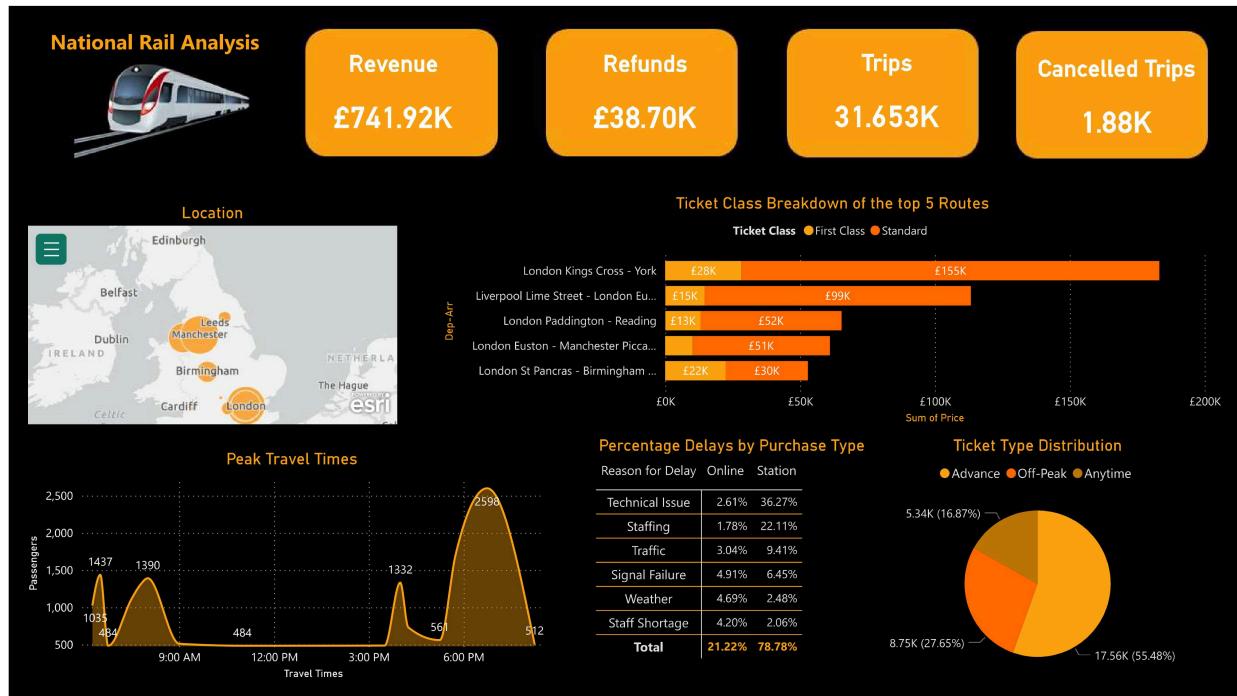
Follow Maven Analytics on LinkedIn for updates on the challenge and invite your connections to play along!

Maven Challenge Winners Receive:

-  3 Annual Memberships + 1 Winner T-Shirt
-  Your project featured on the top of the Maven Showcase
-  Post on LinkedIn from @mavenanalytics to over 100K+ followers
-  Challenge winner badge to your project and Maven portfolio

Challenge Submissions

Explore the projects submitted to this challenge for inspiration on your next project

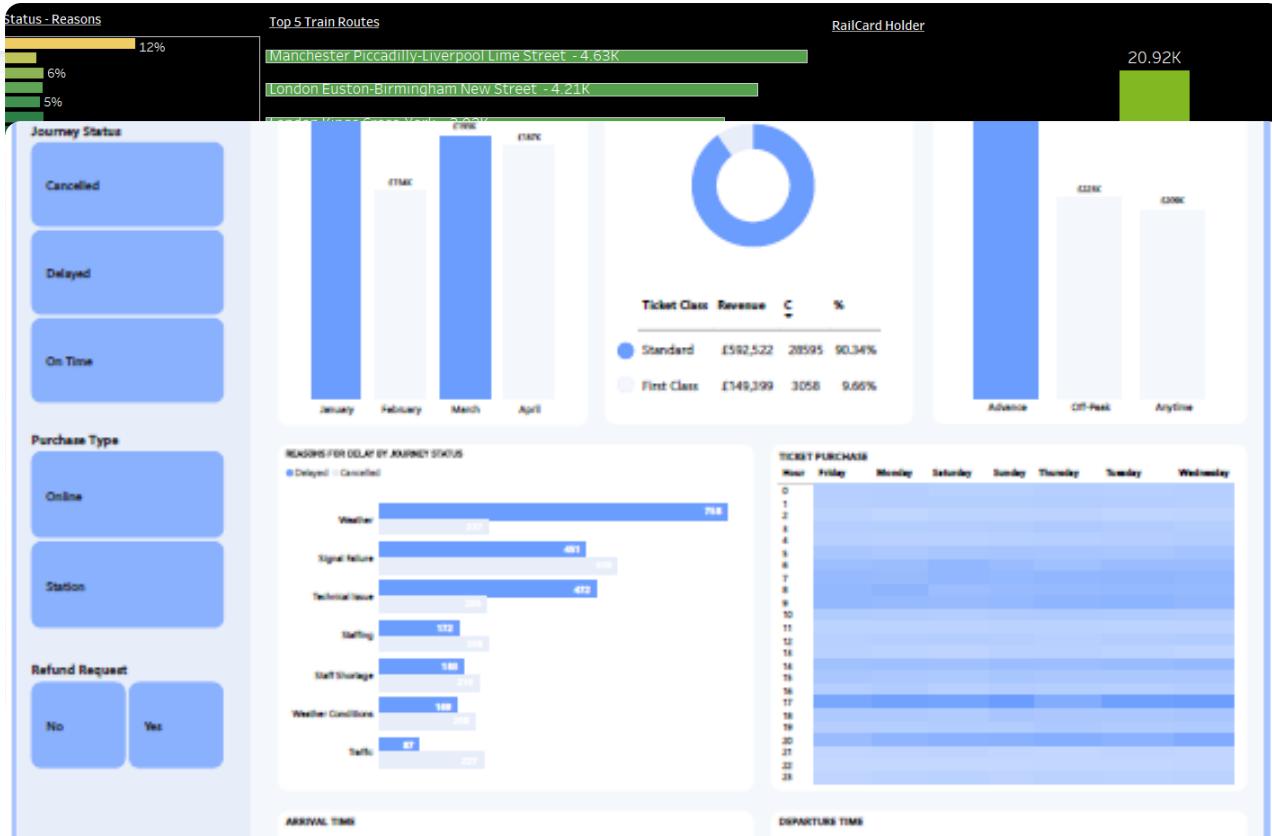


UK Rail Analysis

0 0



Manoj Changaiah Nandakumar



National Rail Train Analysis

0 0



Manmeet Bindra



Shittu Oluwadamilare Pelumi



Maven Rail Challenge

0 0



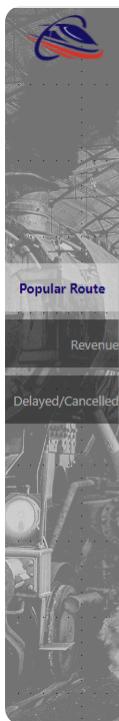
Mohammad Nazmul Ehsan



Maven Rail Challenge - PowerBI

Heart 0 Comment 0


Humemah Khalid



Railway Route - from ALL

31653

74

7.24%

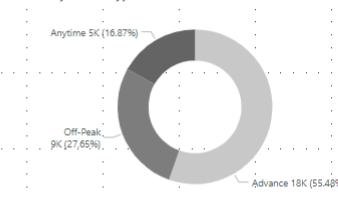
11.00

Count Ticket

Avg Trip duration (min)

% of Tickets Delayed

Median Ticket Price

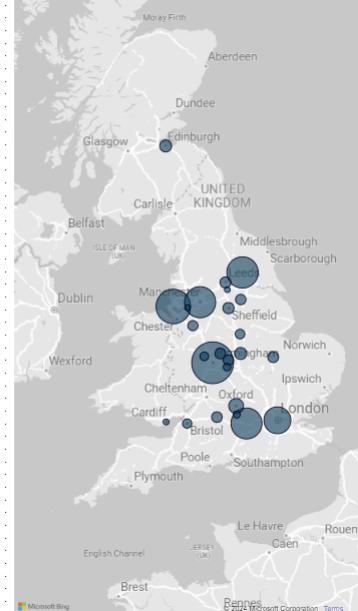
Ticket by Ticket Type


Route	% Tickets	% Trips Delayed
Manchester Piccadilly-Liverpool Lime Street	14.62%	7.65%
London Euston-Birmingham New Street	13.30%	5.75%
London Kings Cross-York	12.39%	3.34%
London Paddington-Reading	12.24%	1.70%
London St Pancras-Birmingham New Street	10.97%	
Liverpool Lime Street-Manchester Piccadilly	9.48%	3.56%
Liverpool Lime Street-London Euston	3.47%	71.10%
London Euston-Manchester Piccadilly	2.25%	
Birmingham New Street-London St Pancras	2.22%	
London Paddington-Oxford	1.53%	
Manchester Piccadilly-London Euston	1.09%	69.57%
London St Pancras-Leicester	1.06%	
York-Durham	0.82%	6.20%

Average Ticket Price by Departure Time

of Ticket Sold by Time and Day

	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
Sunday	119	83	155	80	148	93	100	401	294	182	75	159	121	197	104	184	327	400	41	73	158	84	114	85
Monday	115	100	133	65	126	97	488	360	302	180	61	146	116	199	127	173	336	407	417	60	151	80	109	92
Tuesday	119	79	125	76	153	121	450	389	303	187	82	157	99	212	91	171	340	419	409	70	143	83	115	98
Wednesday	121	83	136	81	143	106	455	381	335	149	66	177	123	247	88	166	354	428	409	69	159	92	122	98
Thursday	141	104	132	95	162	114	422	334	319	189	88	165	112	182	103	196	310	445	418	43	141	78	120	93
Friday	104	93	130	69	143	91	478	362	323	179	81	181	90	197	90	171	334	385	374	68	144	78	96	92
Saturday	134	102	131	77	166	103	411	375	304	164	72	158	112	205	89	159	300	395	418	55	162	75	112	83

Show Filter
Tickets by Destination

J Joon Park

Maven Rail Challenge

Heart 0 Comment 0

National Rail Exploratory Analysis

Maven monthly data challenge

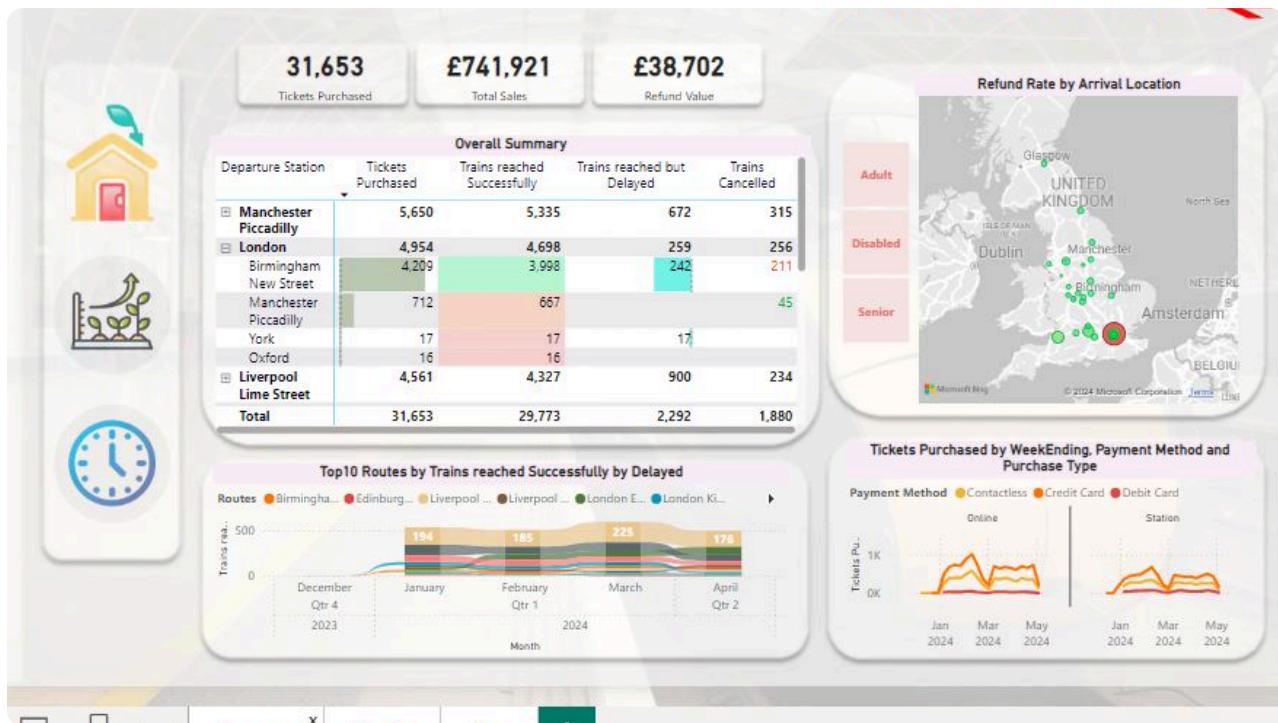


National Rail Exploratory Analysis

0 0



Princess Fajardo



Ahmed Shoaib-UK Train Rides

0 0



Ahmed Shoaib

[Show more submissions](#)

Official Terms & Conditions

- Maven Analytics will give away 3 Annual subscriptions for an Individual account. 1 for a "First-time Entrant", 1 for the "Fan Favorite", and 1 for the "Challenge Winner". After the one year period, the subscriptions will renew at full price unless canceled (you can cancel at any time).
- A "First-time entrant" is a Maven Analytics user who has published a project to Showcase assigned to a Maven Challenge for the first time.
- Maven Analytics will give away 1 "Challenge Winner" shirt to the overall Challenge Winner.
- No purchase is necessary to enter.

- The challenge will close to new entries on Sunday, June 9, 2024, at 11:59pm EDT. All entries must be submitted prior.
- After the submission deadline, the "First-time Entrant" winner and general finalists will be chosen by the Maven team behind closed doors.
- The "Fan Favorite" will be awarded to the project with the most Likes on Showcase exactly 1 week after the submission deadline.
- Maven Analytics will select 1 "Challenge Winner" from the finalists in a live vote.
- All 3 winners will be announced on Tuesday, June 25, 2024 at 10:00am EDT. The official announcement will be posted on LinkedIn from the Maven Analytics account.

YOU'RE READY TO SHOW YOUR SKILLS

Want To Participate in a Maven Challenge?

Use your FREE Maven Analytics account to build your project portfolio, join monthly challenges, and win amazing prizes

Get Started Today

Previous Maven Data Challenges