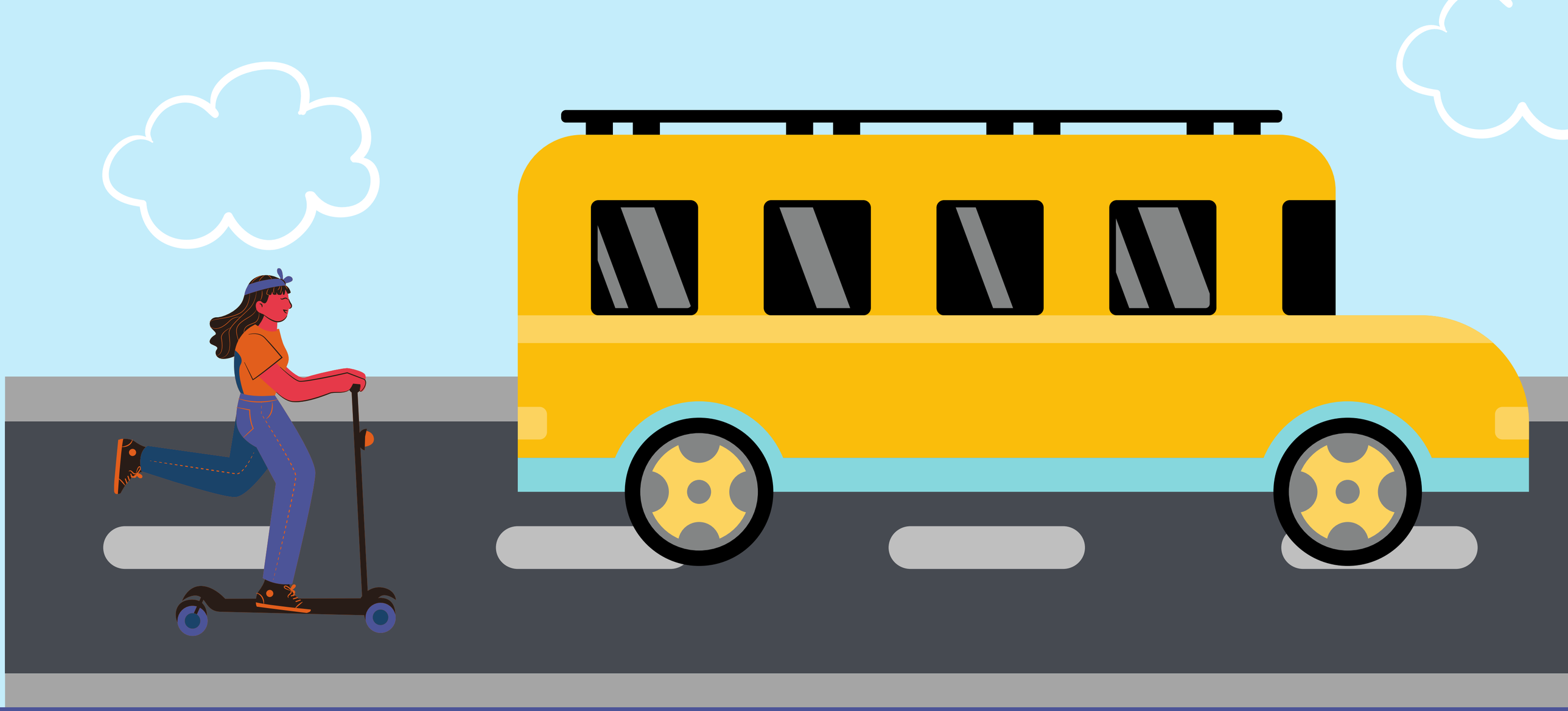
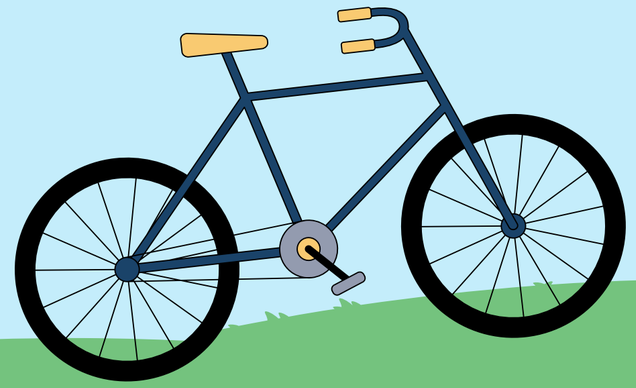
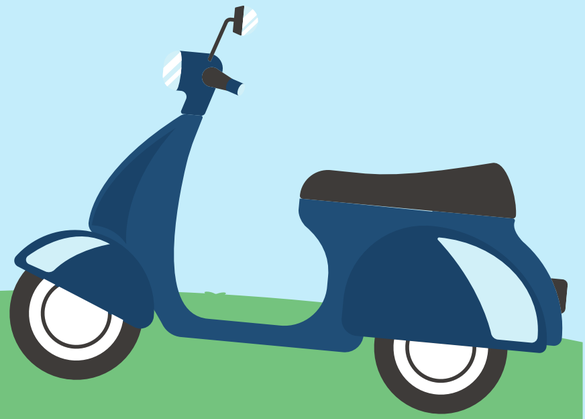


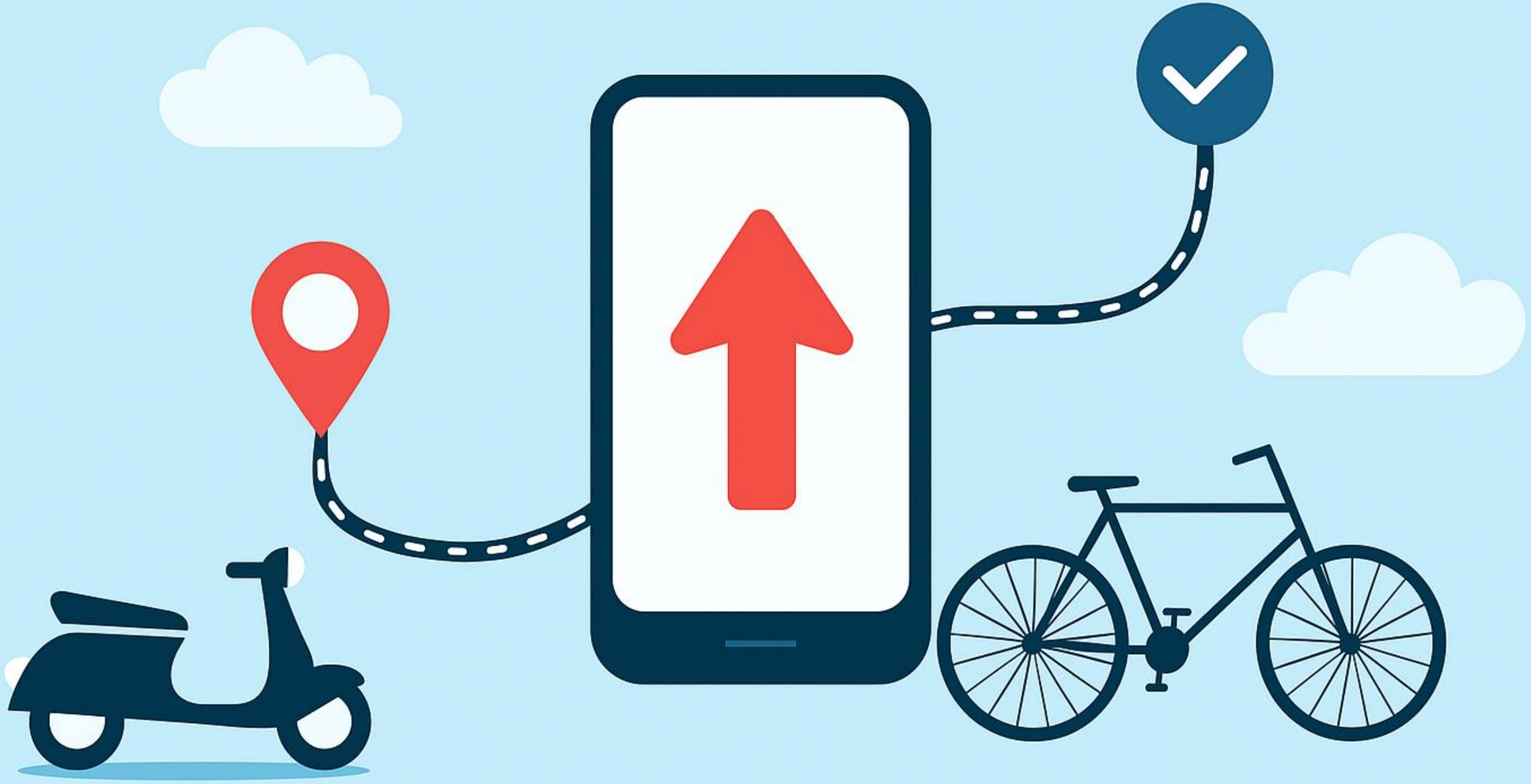
WHERE'S MY RIDE? BY CODE BLOODED

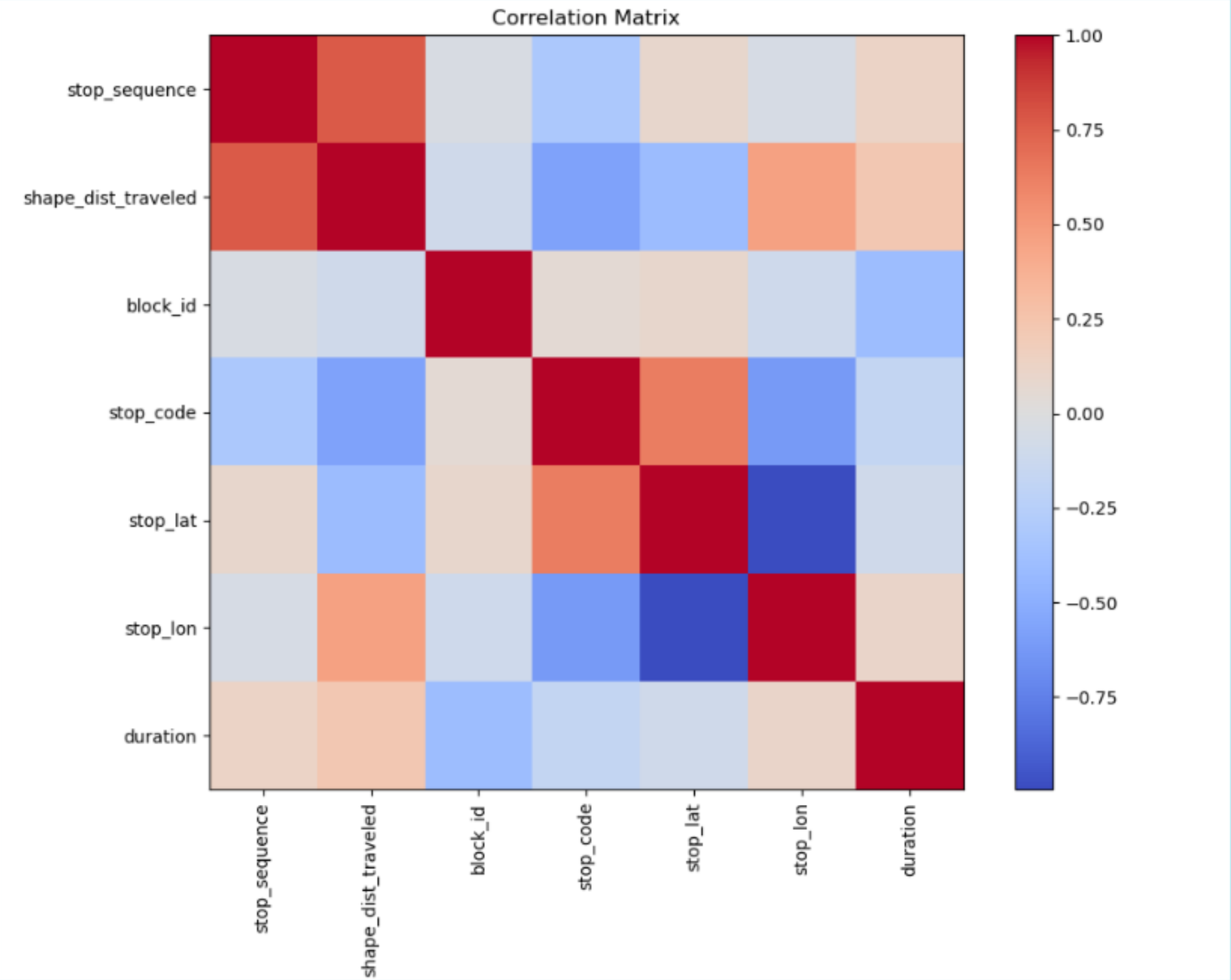
THE PROBLEM

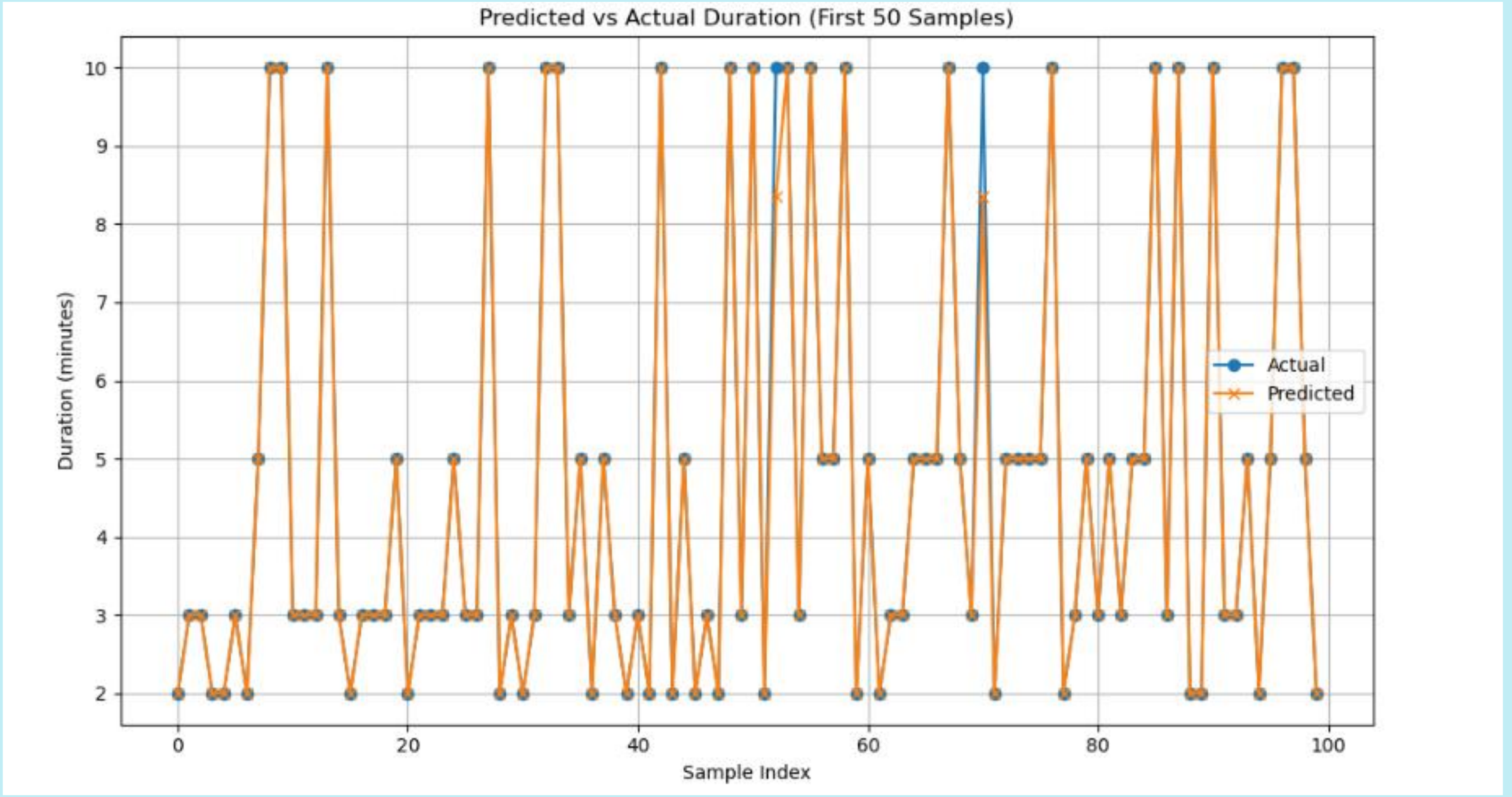




OUR SOLUTION




Correlation Matrix
stop_sequence
shape_dist_traveled
block_id
stop_code
stop_lat
stop_lon
duration
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75


Predicted vs Actual Duration (First 50 Samples)
Duration (minutes)
Sample Index
Actual
Predicted
2
3
4
5
6
7
8
9
10
0
20
40
60
80
100

HOW IT WORKS

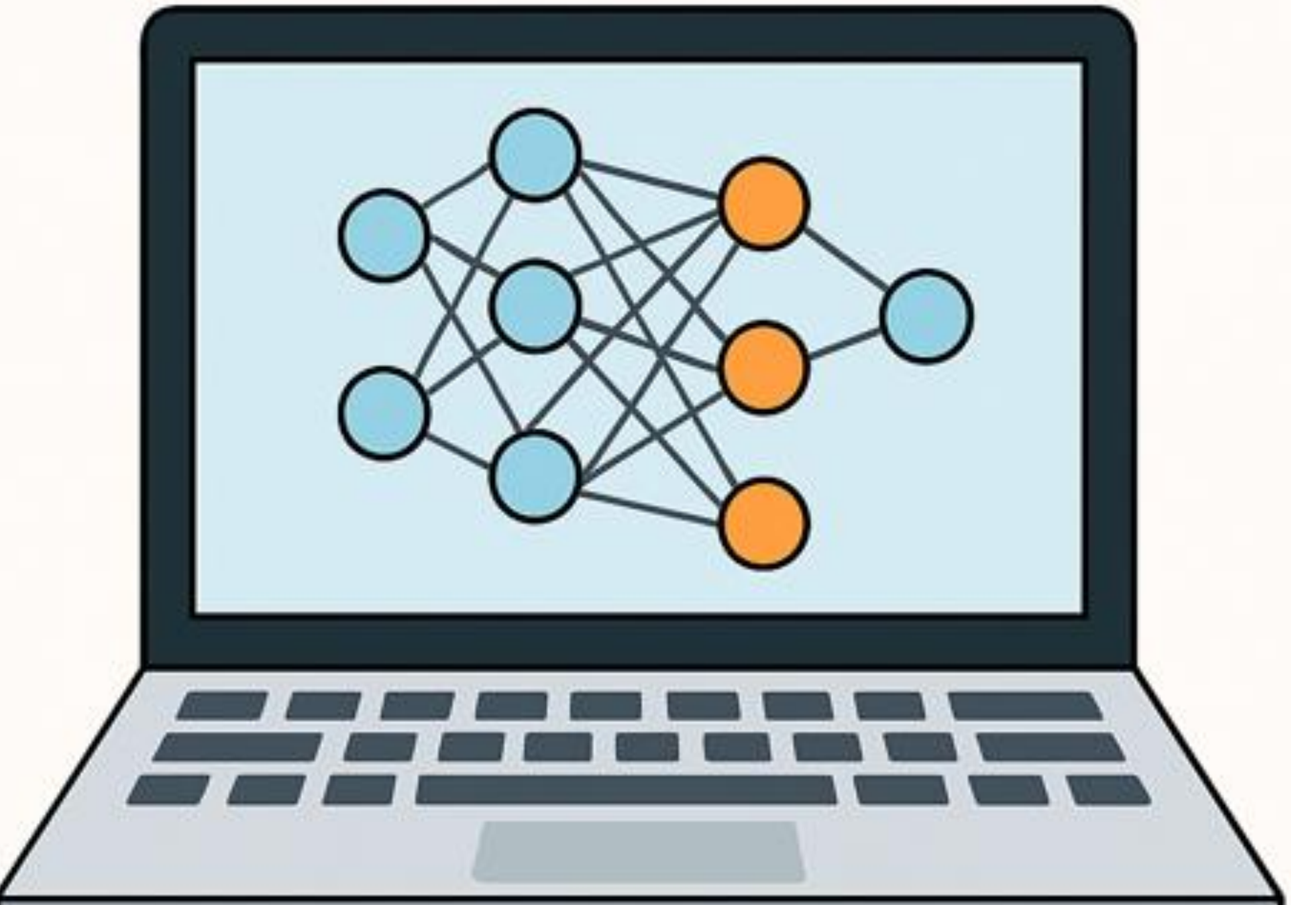
Enter starting point and destination

Check time and location

See fastest options

Follow step-by-step directions

THE ENGINE BEHIND IT



Real-time data feeds
from transit & micromobility

Machine learning
algorithm predicts bus status

Fastest route calculated
and displayed in seconds

Where's My Ride

Estimate your journey duration and get smart mobility recommendations

Journey Inputs

Starting Bus Stop: Pine Street Station

Destination Stop: Main Square

Departure Time: 10:55 AM

Day of Week: Thursday

Predict Duration

24 minutes

Partly Cloudy

Good travel conditions with some cloud cover.

⚠

Missed the Bus

It appears the bus has already left! Try a different route or method.

Missed Bus? Try Scooter!

Looks like you'll miss the bus. A scooter ride will take about 17 minutes— consider scooter as your best bet.

Alternative Transport Options

Bike: 19 mins

Walk: 72 mins

Scooter: 17 mins

Share Route

Where's My Ride

Estimate your journey duration and get smart mobility recommendations

Journey Inputs

Starting Bus Stop: Pine Street Station

Destination Stop: Main Square

Departure Time: 11:55 AM

Day of Week: Thursday

Predict Duration

20 minutes

Partly Cloudy

Good travel conditions with some cloud cover.

You Can Make It!

You should arrive about 35 minute(s) before departure. Good luck!

Standard Trip Recommendation

Your 20-minute journey is optimal by bus. Be at the stop 5 minutes early.

Alternative Transport Options

Bike: 16 mins

Walk: 60 mins

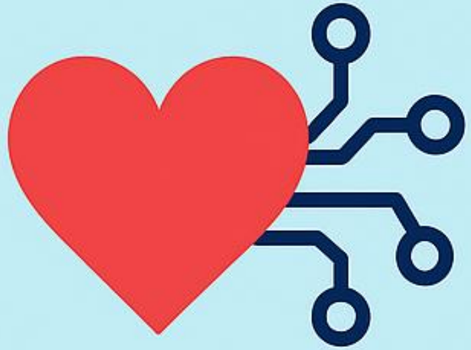
Scooter: 14 mins

Share Route

WHAT'S NEXT

Dynamic Re-Routing

Personalized Alerts



User Preferences

Revenue Generation

References:

- https://ridegrtc.com
- https://data.bts.gov/Bicycles-and-Pedestrians/Bikeshare-Docked-and-Dockless-and-E-scooter-System/cqdc-cm7d/about_data
- https://data.virginia.gov/organization/datathon-2025
- https://jupyter.org/

THANK YOU!