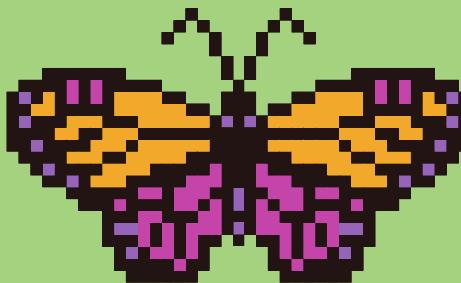
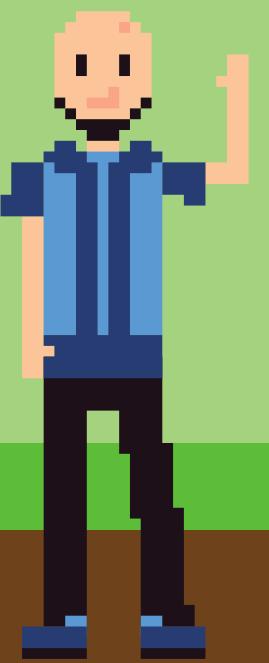




# OPEN DATA CHALLENGE



WE ARE FOCUSING ON GOAL 11.  
MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE,  
SAFE, RESILIENT AND SUSTAINABLE.  
SUSTAINABLE TRANSPORT.



# OUR VISION

T

All partners in  
travel industry  
have to come  
together.

S

Sustainable Travel  
Option.

G

Green IT.

# ISSUE

- According to Travel Pulse , there is significant increase in solo travelers.
- A green solo traveler doesn't find any sustainable travel solutions.
- Further there is lack of incentive programs from the partners in the travel industry which can encourage travelers to use more sustainable travel choices.

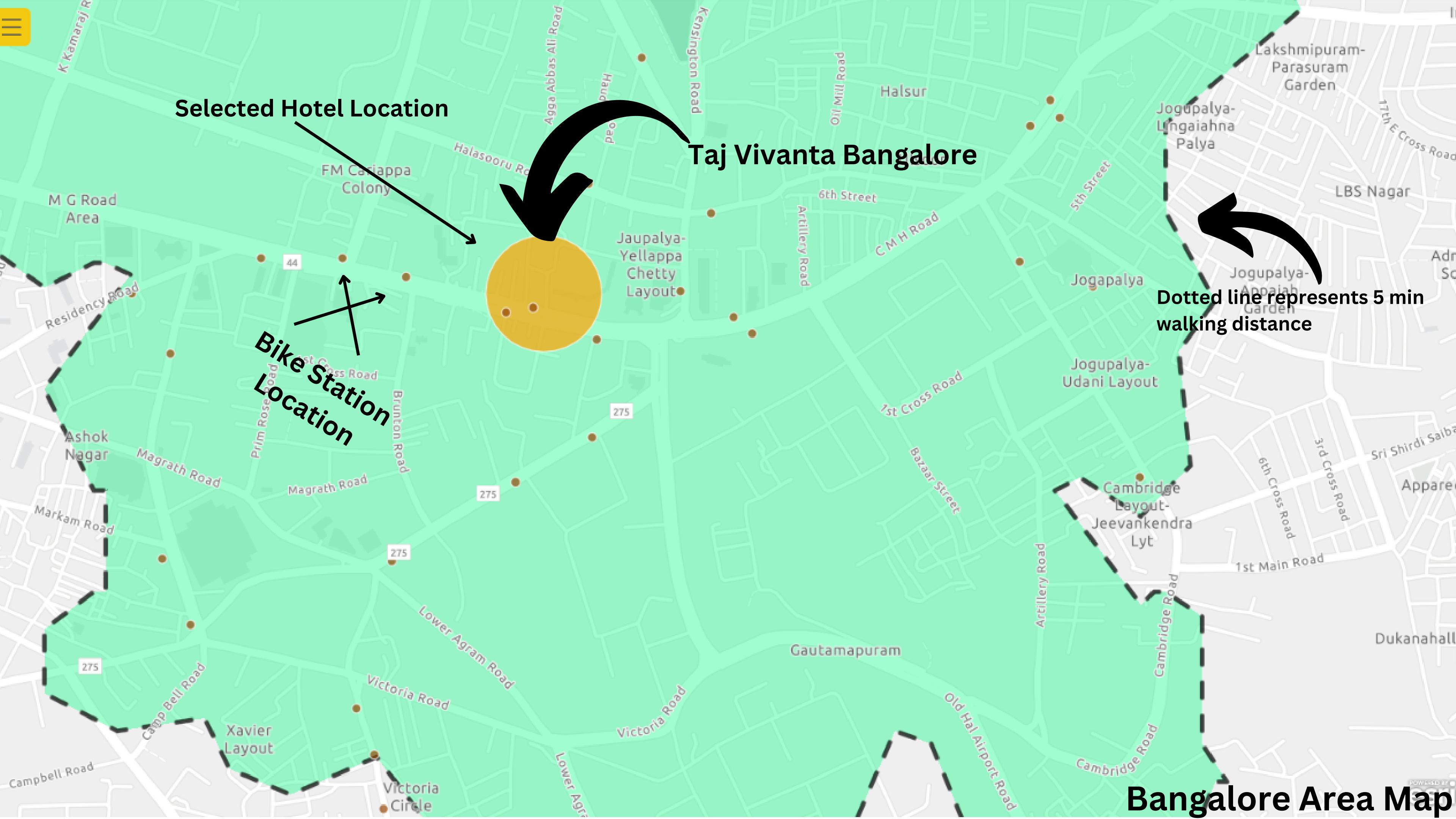


# SOLUTION

- Bike Station Search Dashboard
- Route Plan
- Green Credit Score Dashboard

As per Travel Pulse, the following are the number of solo travelers :  
Gen Xer : 24 %, Millennials : 21 % & Boomers : 20%





# WHY IS IT BEST ?

**E**asily Integrable with the existing solutions.

**S**ustainable option.

**B**ringing value for the end user.

**I**ncentives the user to select more sustainable solution.

**O**pen Data.

**G**row into lot of applications such as recommender system.

**C**ompatible to the end-user's device.

**#**

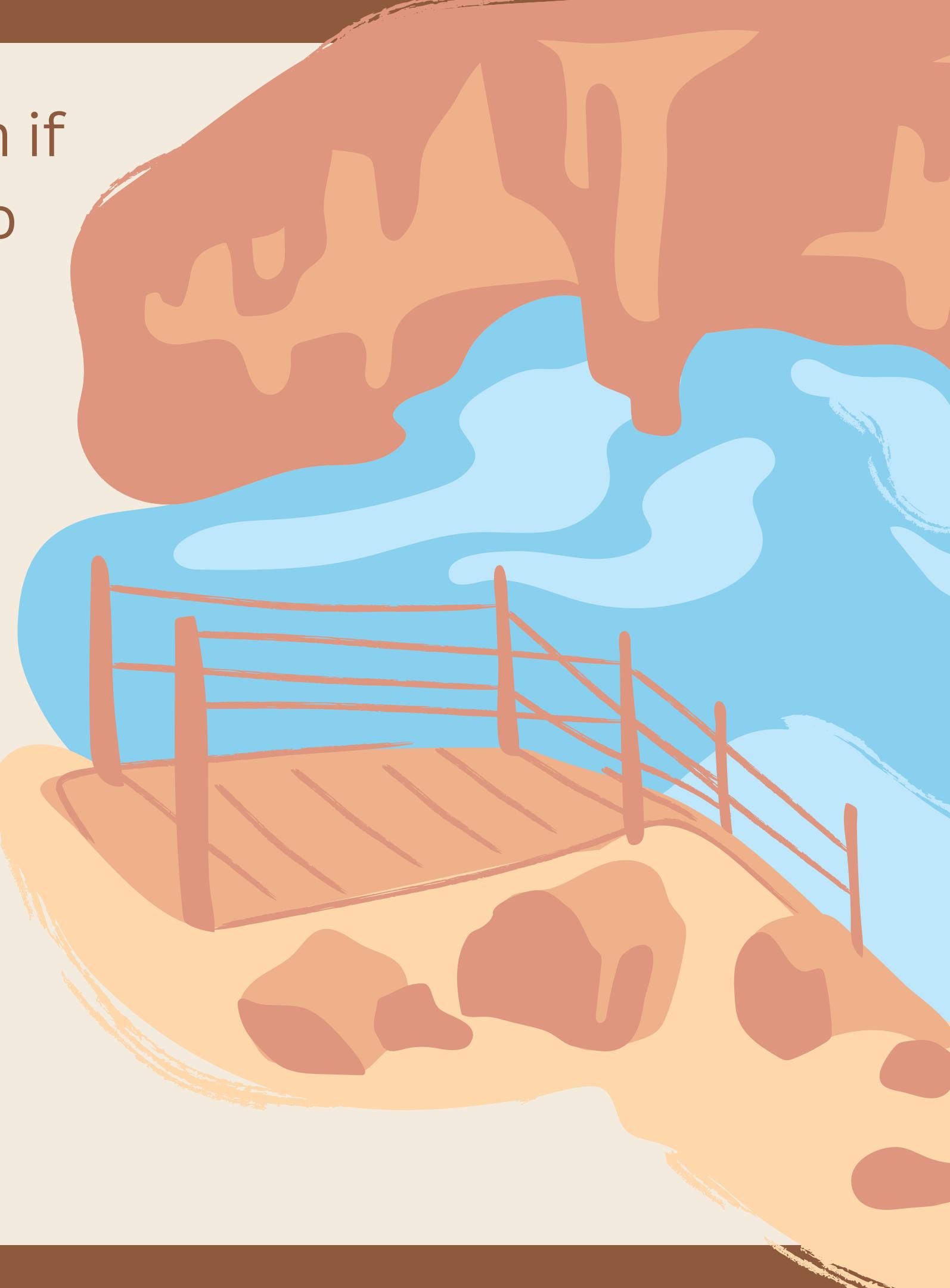


Travel emissions would fall significantly even if only a small percentage of citizens chose two wheels over four.

**67%**

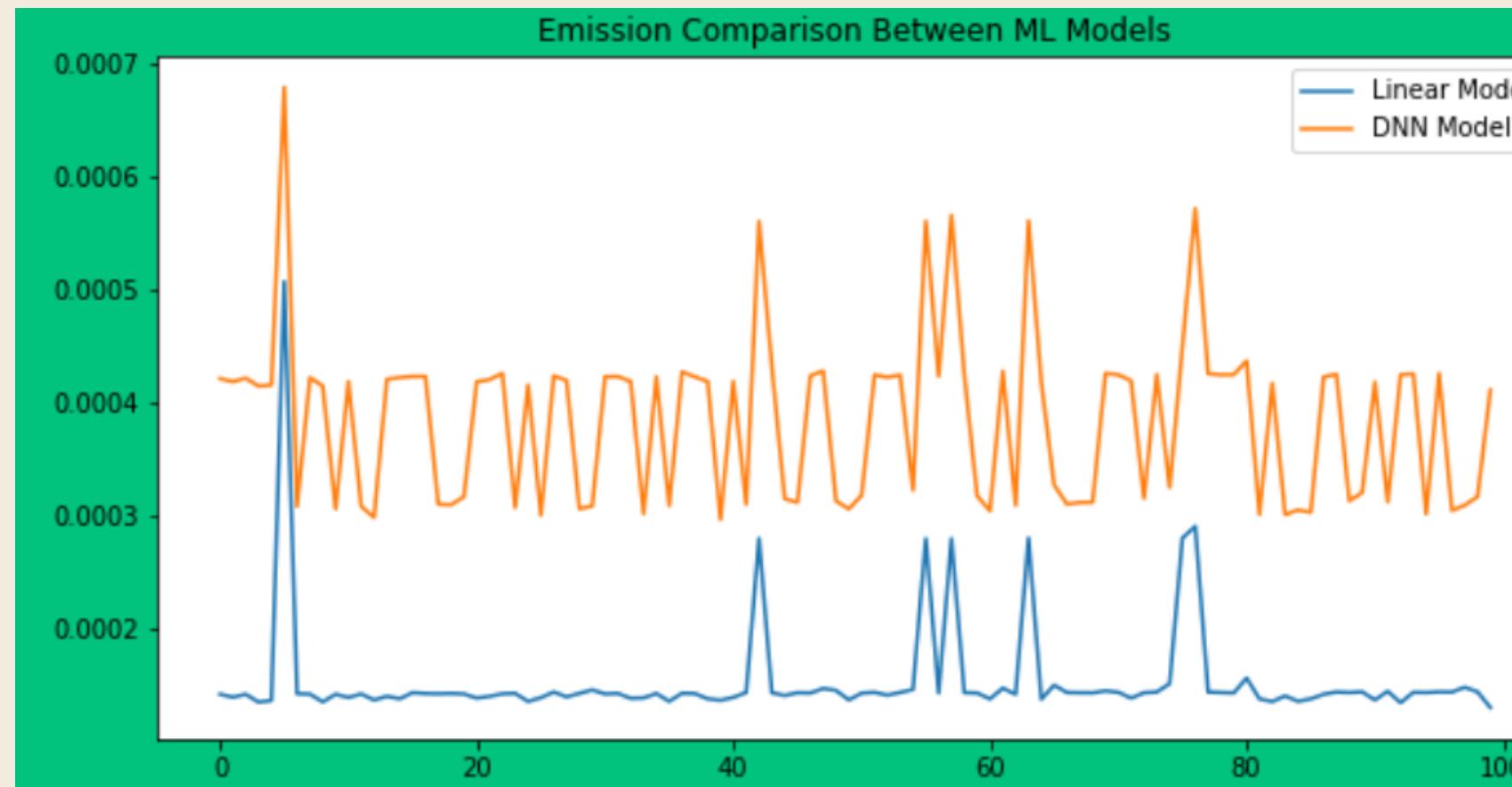
reduction in the carbon emission according to research led by University of Oxford.

Green Commute culture needs to be adopted among the solo travelers.



# GREEN IT

In all of our machine learning code, we are using code carbon library. The CO<sub>2</sub> tracking tool can be used along with any computing framework.



# Sources of Open Data

Bike Share Dataset : Kaggle

Yulu Bike Bangalore :

<https://dataspace.mobi/dataset/activity/bengaluru-yulu-docking-locations>

Bangalore Hotels Chain : Indian Hotels on Goibibo on Kaggle.

Bangalore Urban data : data.opencity  
(open data source organizations)



# MEAN SQUARE



**SHOYEB KHAN**  
BITS PILANI RAJASTHAN INDIA



**SALMAN AHMED KHAN**  
BITS PILANI RAJASTHAN INDIA