

# Mumbia : The City of Dreams

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# INTRODUCTION

- Mumbai is the commercial capital of India
- Mumbai has developed a highly diversified infrastructure
- With its diverse society, comes diverse infrastructure which decides the quality of living.
- When people from one city to another new city like Mumbai, their main problem is to find a good area to build and grow their business
- The soul purpose of this project is to help those people in finding a better place to establish their business



# Business Problem

You will find the solution of the following problems :-

- List and visualize all major parts of Mumbai City with top existing infrastructure

- What are the best locations in Mumbai as per infrastructure?

- Which areas have the potential for the development of infrastructure of different kinds?

- Which all areas lack the infrastructure facilities?

- What is the best place to stay within a city for all vital infrastructure facilities ?

# Data acquisition and cleaning

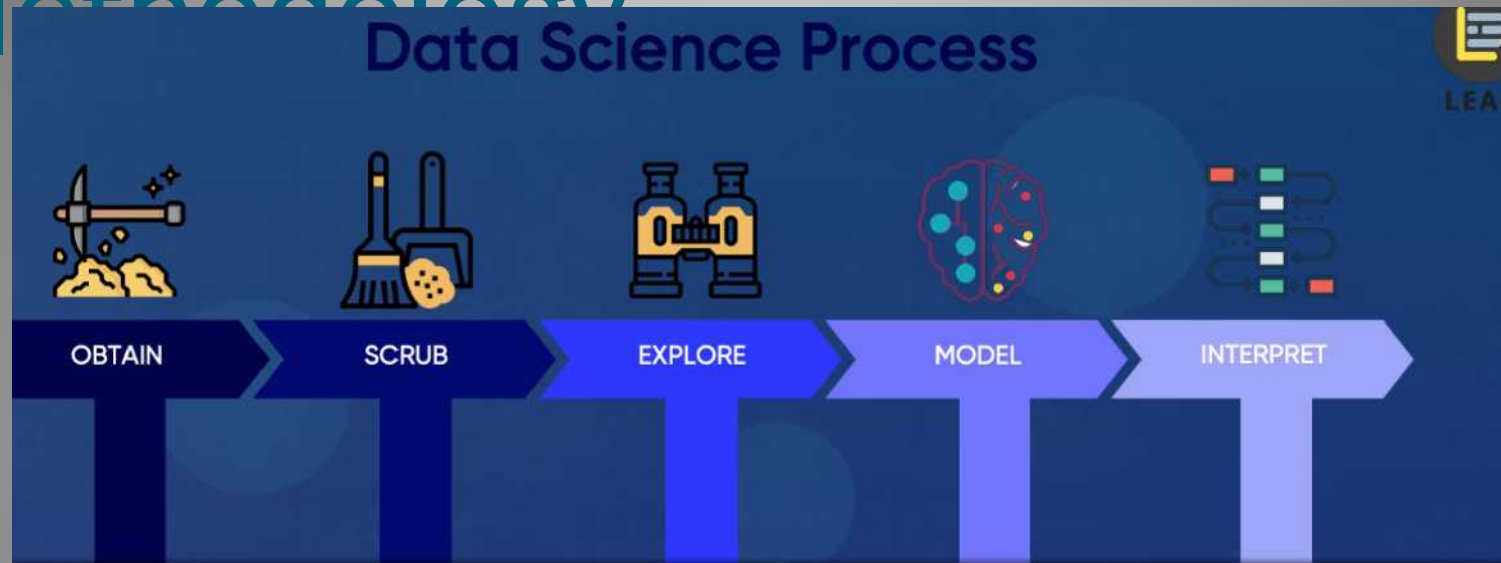
FOLLOWING DATA ARE USED FOR THIS PROJECT

- Mumbai Pincode ( Scraped from web source)

- Mumbai City data ( Geospace Data on Mumbai Pincode)

- Different infrastructures in each neighborhood of Mumbai City data (Foursquare API)

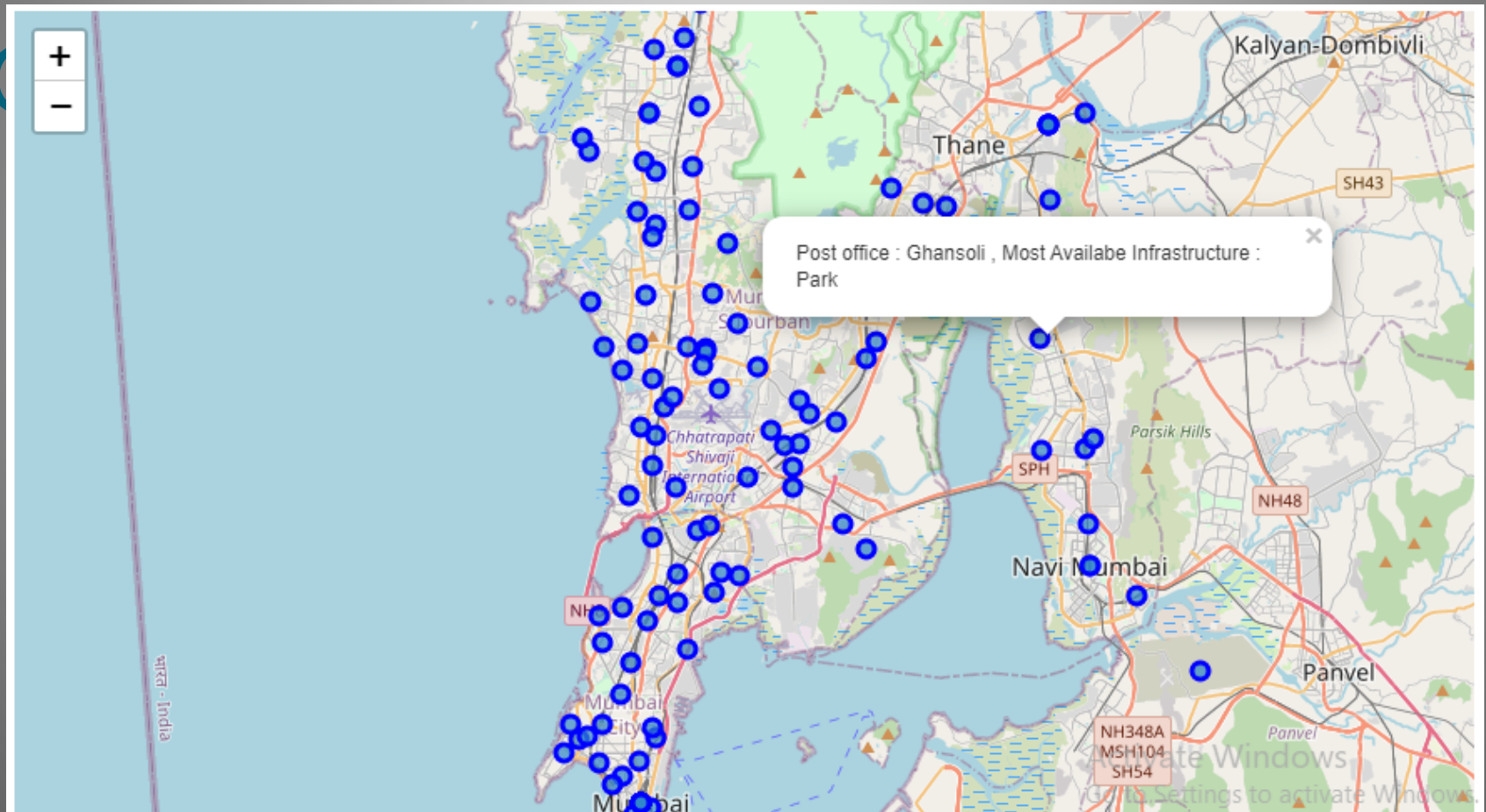
# Methodology



- **OBTAIN :-** Gather data from relevant sources
- **SCRUB :-** Clean data and convert them into formats that machine understands
- **EXPLORE :-** Find significant patterns and trends using statistical methods
- **MODEL :-** Construct models to predict and forecast
- **INTERPRET :-** Put the results to into good use

# RESULTS

## Displaying the top existing infrastructure for each Postal



# RESULTS

## 2.BEST LOCATION AS PER INFRASTRUCTURE

9	
Post Office	Bandra (West)
Pin Code	400050
City	Mumbai
Airport Terminal	0
Bank	0
Bus Station	0
Business Service	0
Café	10
College Auditorium	1
Electronics Store	1
Farmers Market	1
Garden	0
Government Building	0
Gym / Fitness Center	3
Hotel	1
Indie Movie Theater	1

Indie Movie Theater	1
Light Rail Station	0
Market	0
Monument / Landmark	0
Park	1
Pharmacy	0
Playground	0
Resort	0
Restaurant	1
Shopping Mall	1
Theater	0
Train Station	0
Total infrastructure	21

# 3.AREAS THAT ARE LACK OF INFRASTRUCTURE

Post Office	Pin Code	City
Agashi	401301	Thane
Anu Shakti Nagar	400094	Mumbai
Bassien	401201	Thane
Bhandup (East)	400042	Mumbai
Bhayander (East)	401105	Thane
Boisar	401501	Thane
Ghansoli	400701	Navi Mumbai
Jacob Circle	400011	Mumbai
Jakegram	400606	Thane
Jawhar	401603	Thane

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Kopri Colony	400603	Thane
Krishi Utpanna Bazar	400705	Navi Mumbai
Mahim	400016	Mumbai
Nerul Mode	400706	Navi Mumbai
Santacruz P&T Colony	400029	Mumbai
Sopara	401203	Thane
Tagore Nagar	400083	Mumbai
Talasari	401606	Thane
Umbarpada	401102	Thane
Uran	400702	Navi Mumbai
Vasai East I/E	401208	Thane
Wadala	400031	Mumbai



# CHOICE OF AREAS THAT HAVE POTENTIAL OF HAVING GOOD INFRASTRUCTURE

These are infrastructures with highest potential in Mantralaya area :

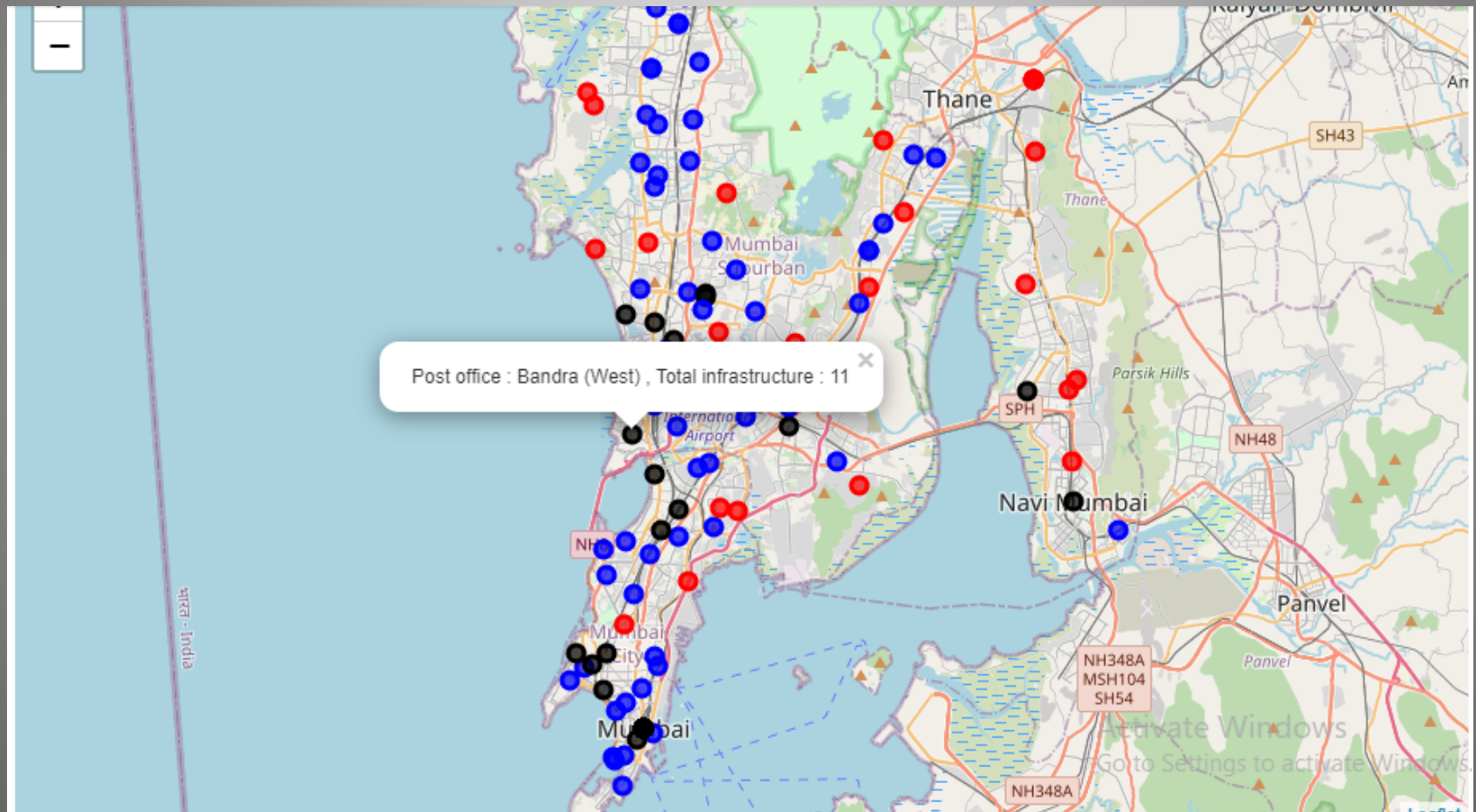
- Airport Terminal
- Bank
- Bus Station
- Business Service
- College Auditorium
- Farmers Market
- Garden
- Government Building
- Indie Movie Theater
- Light Rail Station
- Market
- Monument / Landmark
- Park
- Pharmacy
- Playground
- Resort
- Train Station

# BEST PLACE TO STAY WITHIN A CITY FOR ALL VITAL INFRASTRUCTURE FACILITIES

Best place to stay within a city for vital infrastructure facilities :

	Post Office	Total infrastructure
18	Bhavani Shankar Road	13
28	Council Hall	13
29	Cumballa Hill	13
30	Dadar	13
34	F C I Mumbai	13
35	Ganeshpuri	13
38	Girgaon	13
43	I I T Mumbai	13
44	J B Nagar	13
45	JNPT Town Ship	13
67	Manor	13
79	Mumbai G P O	13
80	N I T I E	13
88	Papdi	13
92	Rajbhavan	13
97	Santacruz (East)	13

# CLUSTERING BASED ON TOTAL INFRASTRUCTURE



# DISCOURSE

Bandra(west) have the best location in Mumbai as per infrastructure with 10 café boosting the number 19 postal offices are the best postal office area for essential variety infrastructure

Most of the infrastructures are concentrated in the southern areas of Mumbai city with highest number of in cluster 0



# RECOMMENDATION FROM CLUSTERING

Cluster 1 with little to no competition

Cluster 2 with moderate competition and supporting  
adequate number of infrastructures

Cluster 0 which already has a high concentration of  
infrastructures

# CONCLUSION

This project made use of the free Sandbox Tier Account of Foursquare API - Limitations as to the number of API calls and results returned

Finding of these project will help relevant stakeholders i.e. business developers regarding the best locations to open a new infrastructure

The project also provides visitors and immigrants to the city regarding new postal office areas for growth and living prosperously



# THANK YOU

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