

APPLIED DATA SCIENCE CAPSTONE COURSERA PROJECT REPORT



14/03/21

Business Problem

Financial Powerhouse Of India :

Mumbai

Applied Data Science Capstone Coursera Project Report

BUSINESS PROBLEM

Introduction:

Mumbai is the economic capital of India. Mumbai is the perfect mixture of customs, culture and lifestyles. Mumbai is one of the most cosmopolitan city of India, its financial backbone called the Powerhouse , and the nerves of India's Bollywood industry.

Located on coast of Arabian Sea, Mumbai is India's most-populated city, and it is the largest and most densely populated city in the world. Mumbai has developed as a highly diversified infrastructure.

Business Problem:

- 1. List and visualize all Big parts of Mumbai City with Top rated infrastructure.*
- 2. What are the Perfect locations in Mumbai as per infrastructure?*
- 3. Which areas have the Capacity and scope for the development of infrastructure of different kinds?*
- 4. Which areas lag behind in the infrastructure facilities?*
- 5. Which is the Perfect place to stay in the city?*

Data Description

1. Mumbai Pin code (Which is Scraped from a web source)

- source: <https://mumbai7.com/postal-codes-in-mumbai/>
- Description: Contains a lists of pin codes, postal office names, city which will be used to discover all postal office of Mumbai.

2. Different kinds of infrastructures in each neighbourhood of Mumbai City.

- Data source: Foursquare API
- Description: By using this Foursquare API we will get all the venues of postal office. We will filter these venues to get different infrastructures and venues.

3. GeoSpace data

- Data source : <https://github.com/geospace-code/pymap3d>
- Description: By using this geospace data, we will get the latitude and longitude coordinates of the postal office of Mumbai.