Exploring restaurants in Mumbai - India

Introduction

- The purpose of this project is to determine restaurants in Mumbai, India based on rating and average price. Restaurants will be identified in Mumbai, India using Foursquare API and Zomato API, to help visitors select the restaurants that suit them the best.

- People visiting a new city, start looking for restaurants during their stay. They primarily look for restaurant based on the rating and average price among all other restaurants near it such that the it fits their bill.

- Therefore, restaurants will be identified that are fit for various individuals based on the information collected from the two APIs and Data Science methodology.
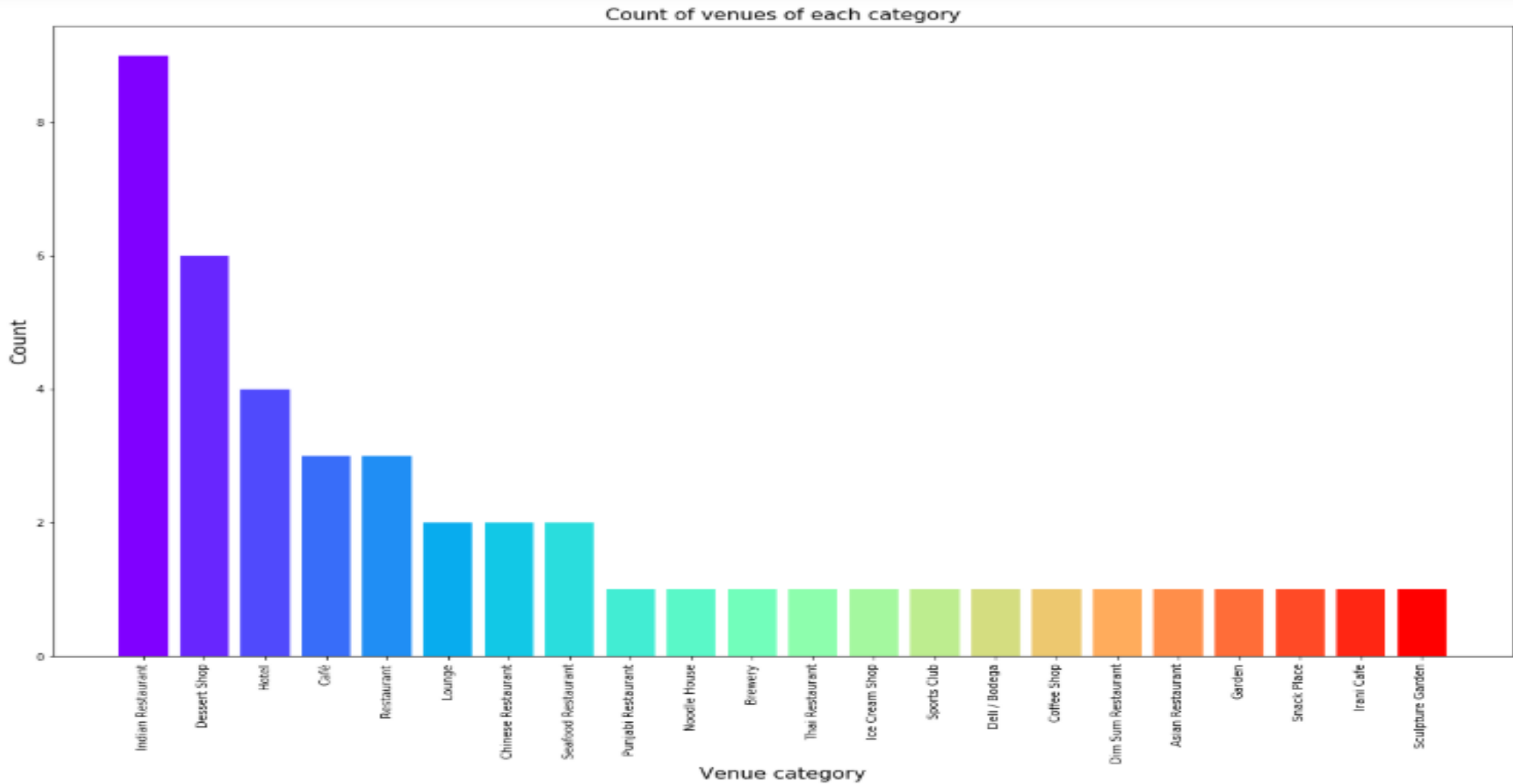
Data Collection
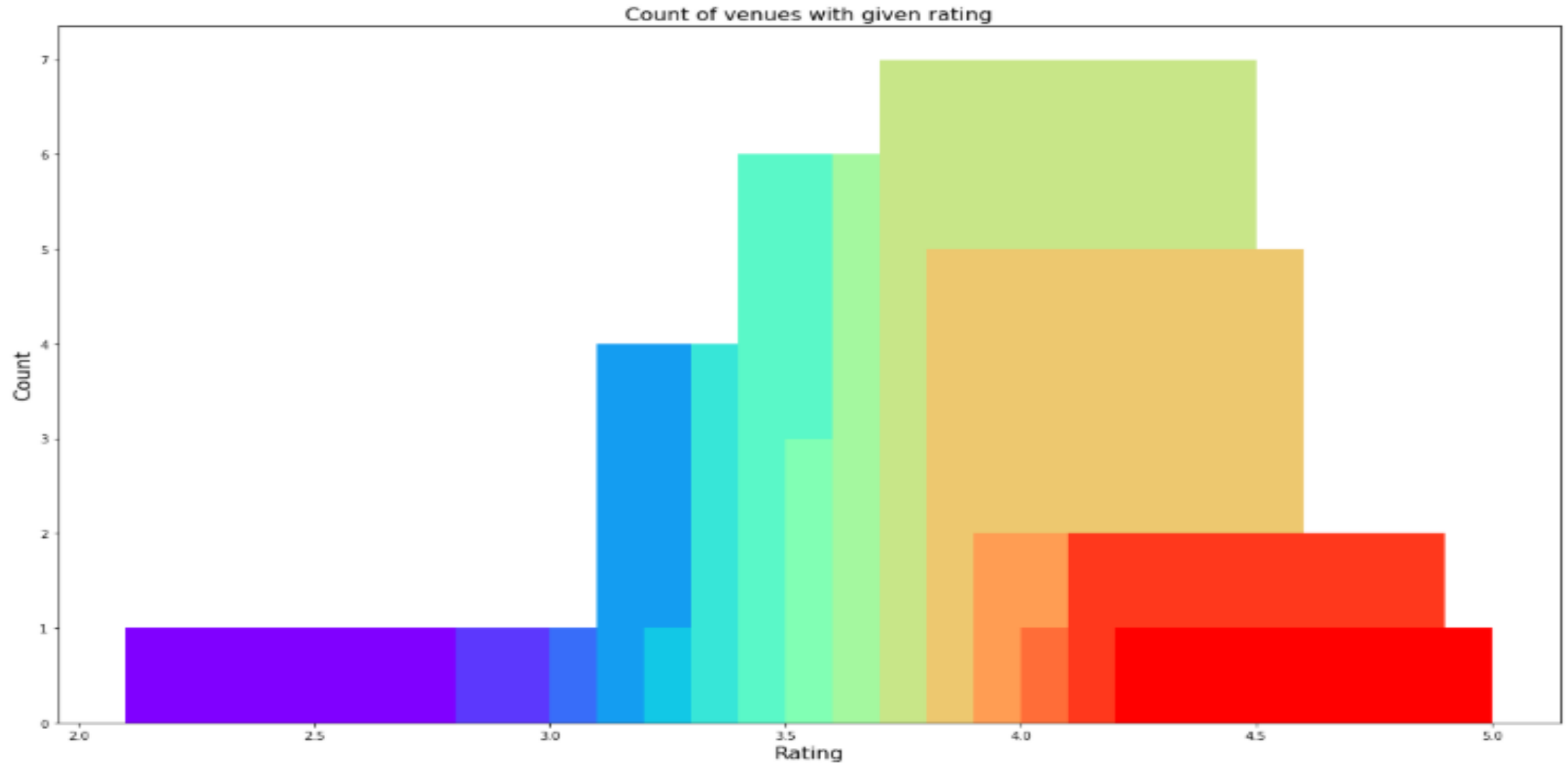
Data will be fetched from following two APIs:

- Foursquare API: to fetch restaurants in Mumbai within 5 KMs radius.

  https://developers.zomato.com/api

- Zomato API: provides complete information of restaurant like address, user ratings, price for two people, price range and lot more.

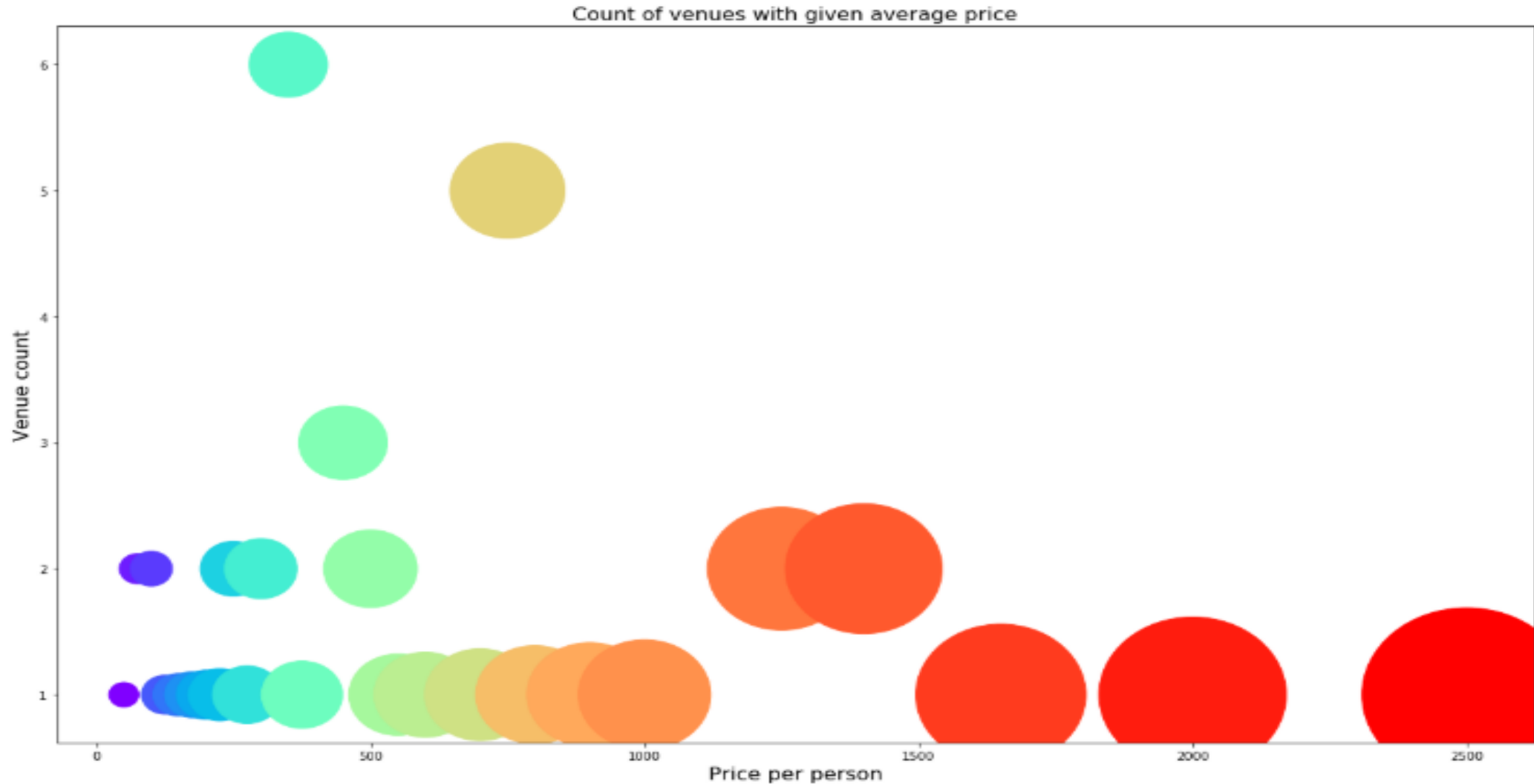 https://developer.foursquare.com/

Analysis

Count of venues of each category

Count of venues of each category
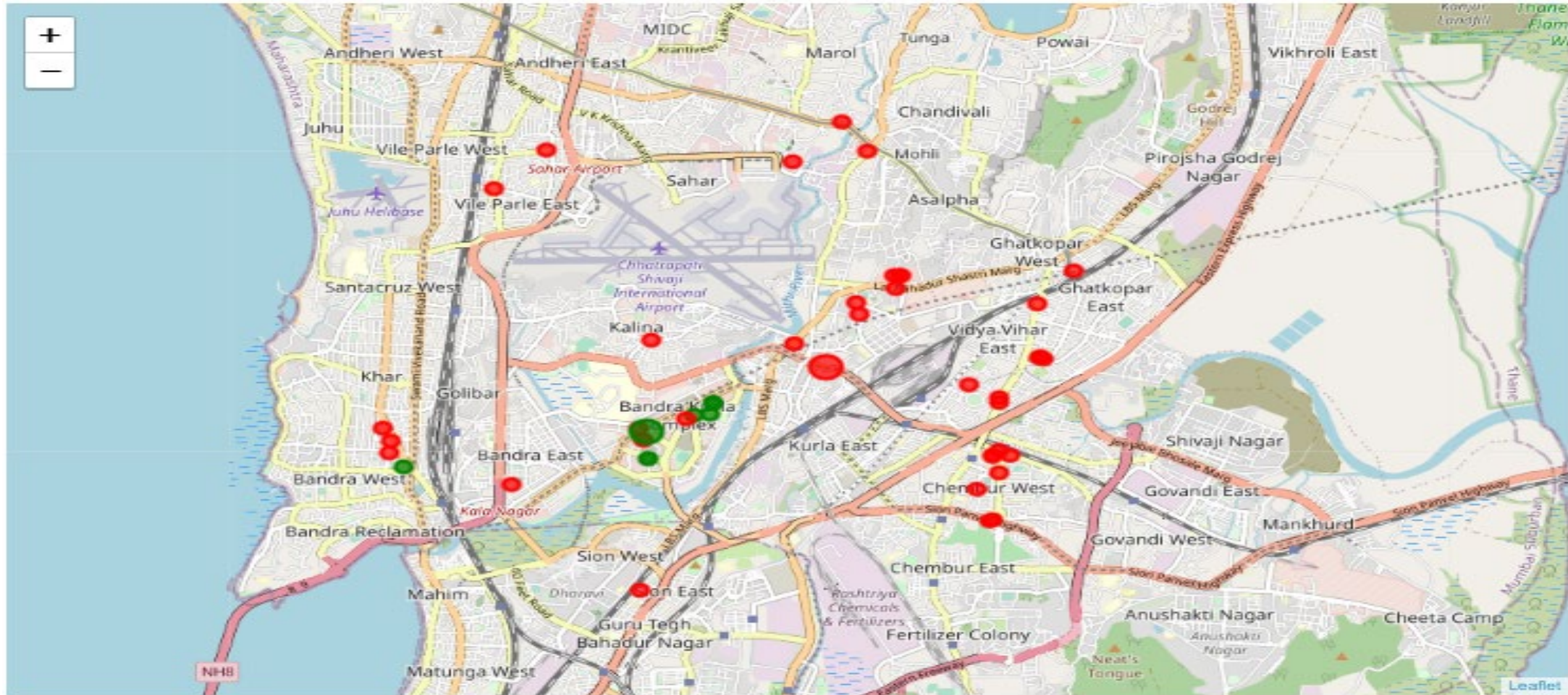
Count of venues with given rating

Count of venues with given average price

Count of venues with given average price

Clustering

Results

- Cluster-0:
  1. Infrequently spread and has very limited restaurants

  2. Has mean price range of 4.00 and rating spread around 4.23

- Cluster-1:
  1. Scattered across the city and includes the majority restaurants
- 2. Has mean price range of 2.11 and rating spread around 3.86

Conclusion

It can be concluded that Cluster-0 region is expensive and has a high rating and Cluster-1 region is in affordable price range and has mediocre rating.