Finding an Appropriate Place for Restaurant Business

{ Data Science

- Project to find an optimal place for restaurant business using Data Science
- Place choice is San Diego, CA
- Business choice is an Indian Restaurant
- Will help generate promising places of my business interest.

Introduction

- Find an optimal place, optimal to my choice
- Place should not be crowded by many restaurants
- Should have less Indian restaurants
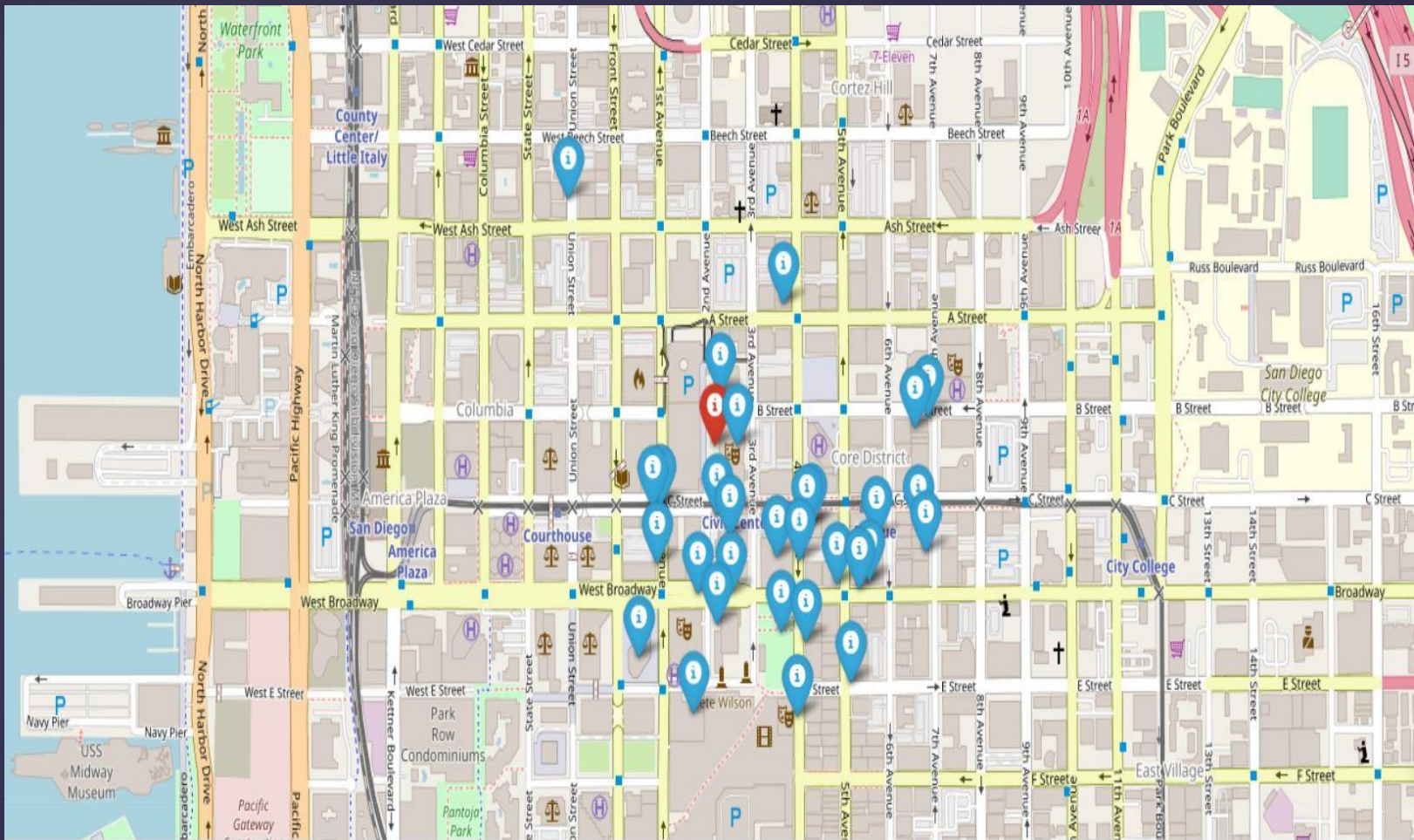- Should be customer attractive area

Problem

- Factors that will influence our decision are:
1. Number of existing restaurants in the neighborhood (any type of restaurant)
2. Number of Indian restaurants in the neighborhood, if any
3. Distance of restaurants from my place
- Data acquired from Foursquare Data and using geopy library we will get data about Latitude and Longitude of areas.
- Cleaning: Keep only the required data and manage missing values
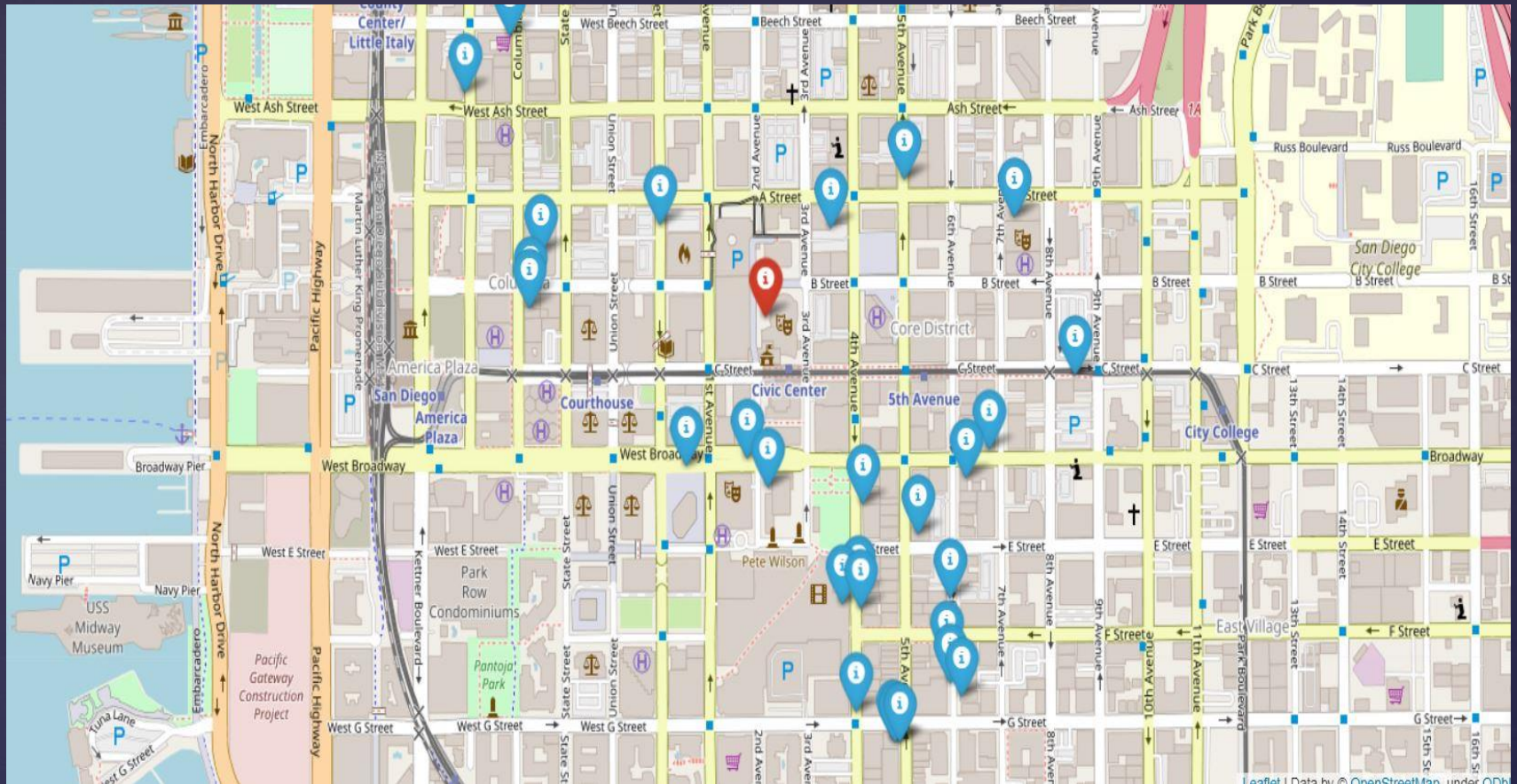- Normalize and Transform as per requirement

Data Acquisition and Cleaning

- Is the place most likely visited by peoples?
- Are there any other restaurants?
- Are restaurants very close to each other?
- Is there any other Indian restaurant in the surrounding?
- If any then does it change your decision based on the type of rating and tips?

Concerning Questions

Data Analysis: MAP1

Data Analysis: MAP2

Final decision on optimal restaurant location will be made by stakeholders based on specific characteristics of neighborhoods and locations based on the concerning questions discussed previously

Conclusion

- Improvements can be made on the basis of more factors affecting the planning analysis
- Ideas include:
1. Decision based on existing Restaurant's Tips and ratings
2. Is all day timing appropriate for restaurants
3. Other better options available other than my preferred place

Future Scope