Battle of neighborhoods- Bangalore

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Introduction

- Bangalore- metropolitan city in India
- Distinct features like
1. Third most populated city in India
2. All major MNC
3. Premier educational institutes of India
4. The Kannada film industry

Data Section

- Get the neighborhoods of the city Bangalore
- Sign up into the foursquare api
- get the latitude and longitudes of all the neighborhoods
- Extract required info
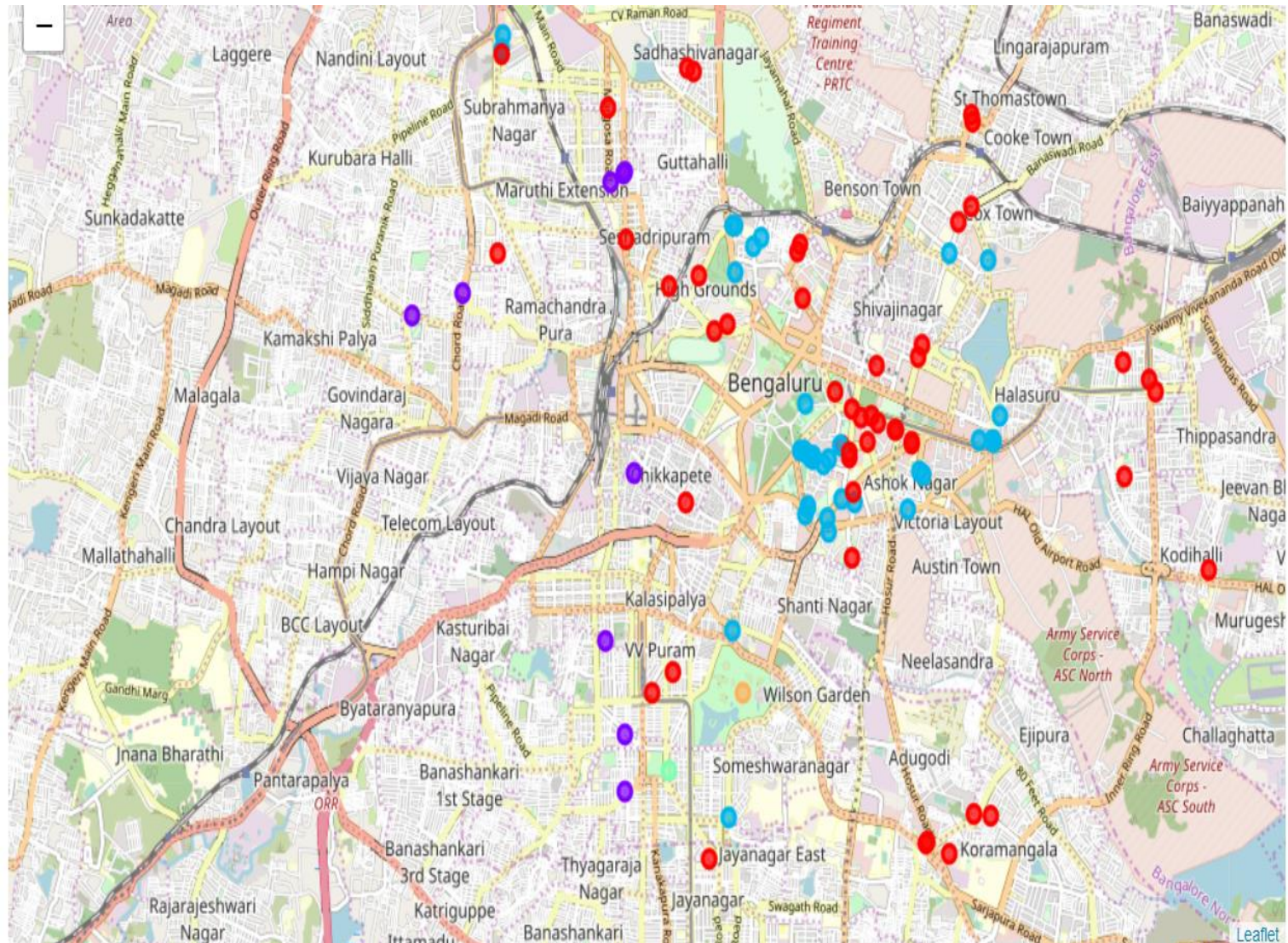- Analyze data

Methodology

- Import all required libraries.
  - Get the geographical coordinates of bangalore
  - Foursquare data
  - Data Analysis
  - Print nearby venues
  - Get the top venues
  - Return the most common venue
  - Clustering

Results

	categories	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue	6th Most Common Venue	7th Most Common Venue	8th Most Common Venue	9th Most Common Venue	10th Most Common Venue
2	Hotel	Indian Restaurant	Hotel	Snack Place	Juice Bar	Gym	Garden	Office	Park	Hotel Pool	Coffee Shop
5	Tea Room	Indian Restaurant	Chinese Restaurant	Hotel	Coffee Shop	Pizza Place	Italian Restaurant	Café	Optical Shop	Hookah Bar	Fast Food Restaurant
6	American Restaurant	Indian Restaurant	Lounge	Ice Cream Shop	Breakfast Spot	Steakhouse	Movie Theater	Music Store	Cricket Ground	Pizza Place	Pub
7	Burger Joint	Indian Restaurant	Ice Cream Shop	Brewery	Breakfast Spot	Bubble Tea Shop	Steakhouse	Café	Restaurant	Burger Joint	Deli / Bodega
9	Ice Cream Shop	Indian Restaurant	Ice Cream Shop	Italian Restaurant	Lounge	Hotel	Chinese Restaurant	Mexican Restaurant	Pub	Clothing Store	Cocktail Bar
10	Cricket Ground	Indian Restaurant	Lounge	Bar	Cricket Ground	Plaza	Pub	Chinese Restaurant	Fast Food Restaurant	Sandwich Place	Movie Theater
14	Plaza	Indian Restaurant	Lounge	Café	Pub	Coffee Shop	Bubble Tea Shop	Burger Joint	Road	Clothing Store	Pizza Place
17	Indian Restaurant	Indian Restaurant	Chinese Restaurant	Italian Restaurant	Coffee Shop	Snack Place	Steakhouse	Juice Bar	Fast Food Restaurant	Electronics Store	Music Venue
18	Ice Cream Shop	Indian Restaurant	Ice Cream Shop	Italian Restaurant	Lounge	Hotel	Chinese Restaurant	Mexican Restaurant	Pub	Clothing Store	Cocktail Bar
20	Bookstore	Pub	Indian Restaurant	Café	Bookstore	Coffee Shop	Electronics Store	Lounge	Fried Chicken Joint	Fast Food Restaurant	Music Store
24	Steakhouse	Indian Restaurant	Coffee Shop	Chinese Restaurant	Italian Restaurant	Snack Place	Steakhouse	Juice Bar	Fast Food Restaurant	Electronics Store	Concert Hall
26	Afghan Restaurant	Indian Restaurant	Clothing Store	Hotel	South Indian Restaurant	Afghan Restaurant	American Restaurant	Bar	Burger Joint	Donut Shop	Fast Food Restaurant
29	Indian Restaurant	Indian Restaurant	Ice Cream Shop	Brewery	Breakfast Spot	Pub	Bubble Tea Shop	Parsi Restaurant	Furniture / Home Store	South Indian Restaurant	Steakhouse
31	Coffee Shop	Indian Restaurant	Café	Coffee Shop	Pub	Bar	Chinese Restaurant	Ice Cream Shop	Lounge	Hotel	Pizza Place
32	Racetrack	Indian Restaurant	Hotel	Seafood Restaurant	Juice Bar	Gym	Garden	Fast Food Restaurant	Office	Hotel Pool	Coffee Shop
33	Art Gallery	Indian Restaurant	Asian Restaurant	Ice Cream Shop	Hotel	Nightclub	Karnataka Restaurant	Seafood Restaurant	Fast Food Restaurant	Garden	Chaat Place
35	Pub	Indian Restaurant	Ice Cream Shop	Lounge	Breakfast Spot	Steakhouse	Movie Theater	Music Store	Cricket Ground	Pizza Place	Pub

Clusters

Conclusions

- Based on the data it would be great to choos a location nearby cluster 2 or 3