

The background of the slide is a dense field of 3D-rendered numbers in various shades of blue and white. The numbers are of different sizes and are scattered across the frame, creating a sense of depth and movement. Some numbers are in the foreground, while others are in the background, giving the impression of a vast, abstract landscape of digits.

DS Capstone – Perfect location for Chinese Restaurant in Bangalore city

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Problem Background

- ◇ With 42.12% of Greater Bengaluru's population originating from outside the district or outside the State, the urban agglomeration ranks second among comparable metros with migrant populations.
- ◇ Bangalore is known not only as the IT Sector, but also a foodie's haven. The street food here is amazing, fulfilling, and available at budget friendly prices
- ◇ The diversity of the cuisine available is reflective of the social and economic diversity of Bengaluru

Problem Description

- ◇ Which area has more population?
- ◇ Which area in the city has more facilities and stores, which will attract more crowd?
- ◇ Are there any Chinese restaurants existing in the area?
- ◇ Do the similar restaurants cost more?
- ◇ Which area in the city has more venues? (making it suitable for the restaurant start up)
- ◇ Which location in the city is densely populated

Data Requirements

- ◆ Its geographical coordinates (latitude and longitude) of points in the city where there is a possibility of the restaurant to open
- ◆ Population of the neighbourhood where the restaurant is located, which will produce more walk-ins at the restaurant

- ◆ To access location of an area in the city, its Latitude and Longitude is to be known so that we can point at its coordinates and create a map displaying all the venues with its labels respectively.
- ◆ Population of a neighbourhood is very important factor in determining a restaurant's growth and number of customers who turn up to eat. Logically, the more the population of a neighbourhood, the more people will be interested to walk openly into a restaurant and less the population, a smaller number of people frequently visit a restaurant. Also, if more people visit, better the restaurant is rated because it is accessed by different people with different taste. Hence is a very important factor.

	Borough	Neighborhoods	Population	Normalized_population
0	Central	Cantonment area	866377	0.880810
1	Central	Domlur	743186	0.755567
2	Central	Indiranagar	474289	0.482190
3	Central	Jeevanbheemanagar	527874	0.536668
4	Central	Malleswaram	893629	0.908516

Borough	Neighborhoods	Latitude	Longitude
Central	Cantonment area	12.972442	77.580643
Central	Domlur	12.960992	77.638726
Central	Indiranagar	12.971891	77.641151
Central	Jeevanbheemanagar	12.962900	77.659500
Central	Malleswaram	13.003100	77.564300
Central	Pete area	12.962700	77.575800
Central	Rajajinagar	12.990100	77.552500
Central	Sadashivanagar	13.006800	77.581300
Central	Seshadripuram	12.993500	77.578700
Central	Shivajinagar	12.985700	77.605700

	Neighborhood	Borough	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	Cantonment area	Central	12.972442	77.580643	Hotel Flatland	12.975669	77.578592	Seafood Restaurant
1	Cantonment area	Central	12.972442	77.580643	Sapna Book House	12.976355	77.578461	Bookstore
2	Cantonment area	Central	12.972442	77.580643	Vaudevi Adigas	12.973707	77.579257	Indian Restaurant
3	Cantonment area	Central	12.972442	77.580643	Adigas Hotel	12.973554	77.579161	Restaurant
4	Cantonment area	Central	12.972442	77.580643	Kamat Yashivivas	12.975985	77.578125	Indian Restaurant

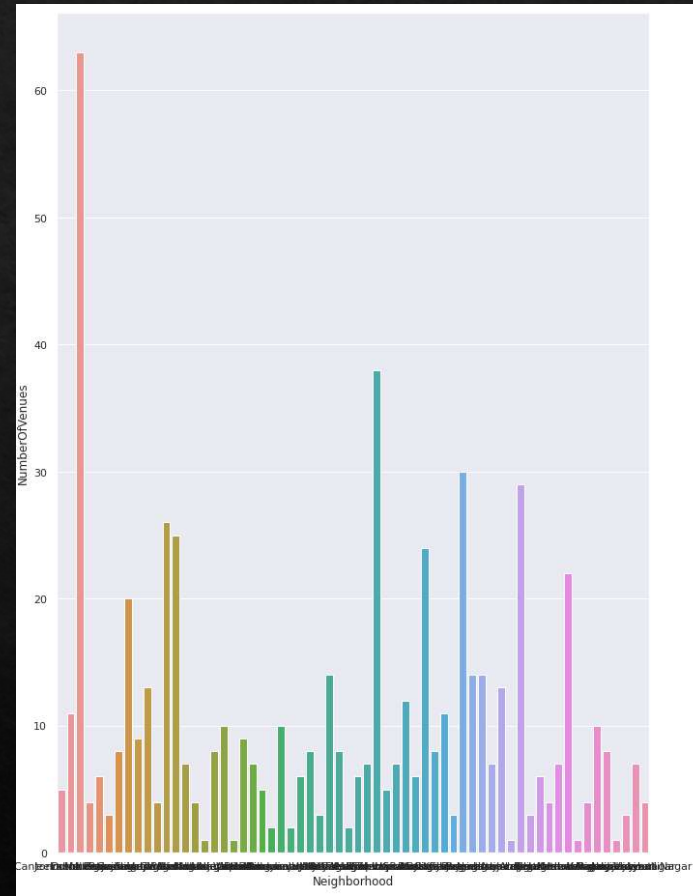
Data Collection

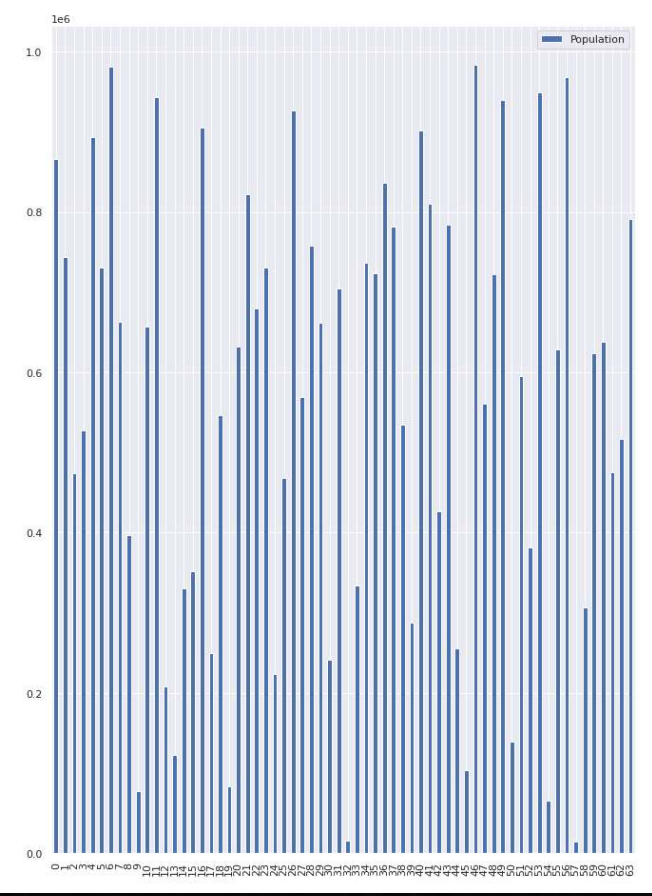
Target Audience

- ◆ Target audiences for this project does not limit to a person who wants to open a specific restaurant in the area, but to anyone that's working on any business idea. This project is open ended to anyone that want to explore the city of Bangalore.

Methodology

- Find the area with most venues





Out[179]:

	Neighborhoods	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	Ranking
0	Banaswadi	Venue Category_Indian Restaurant	Venue Category_Bakery	Venue Category_Vegetarian / Vegan Restaurant	[0.7101274737204223]
1	Basaveshwaranagar	Venue Category_Ice Cream Shop	Venue Category_Fast Food Restaurant	Venue Category_Indian Restaurant	[0.6426377807651088]
2	Begur	Venue Category_Indian Restaurant	Venue Category_Bakery	Venue Category_Supermarket	[0.7361321887298261]
3	Electronic City	Venue Category_Auto Garage	Venue Category_Gym / Fitness Center	Venue Category_Outlet Store	[0.5423513638776338]
4	HSR Layout	Venue Category_Department Store	Venue Category_Pizza Place	Venue Category_Badminton Court	[0.586061168273454]
5	Horamavu	Venue Category_Indian Restaurant	Venue Category_Bakery	Venue Category_Furniture / Home Store	[0.5206069778003258]

Result