

# RESTAURANT RECOMMENDER

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IBM CAPSTONE PROJECT



# DATASET

Unnamed: 0		Borough	Latitude	Longitude	Population	City	Neighbourhood
0	0	North west	28.696400	77.127100	3656539	Delhi	Najafgarh
1	1	South West	28.609550	77.139670	2292958	Delhi	Parliament Street
2	2	South Delhi	28.554900	77.191900	2731929	Delhi	Connaught Place
3	3	West Delhi	28.660800	77.100800	2543243	Delhi	Vivek vihar
4	4	East Delhi	28.718400	77.172400	1709346	Delhi	Karol bagh
5	5	North east	28.693600	77.258000	2241624	Delhi	Vasant Vihar
6	6	North Delhi	28.676314	77.224977	887978	Delhi	Defence Colony
7	7	New Delhi	28.365000	77.123200	257803	Delhi	Gandhi Nagar
8	8	Central	28.384200	77.144200	582320	Delhi	Preet Vihar

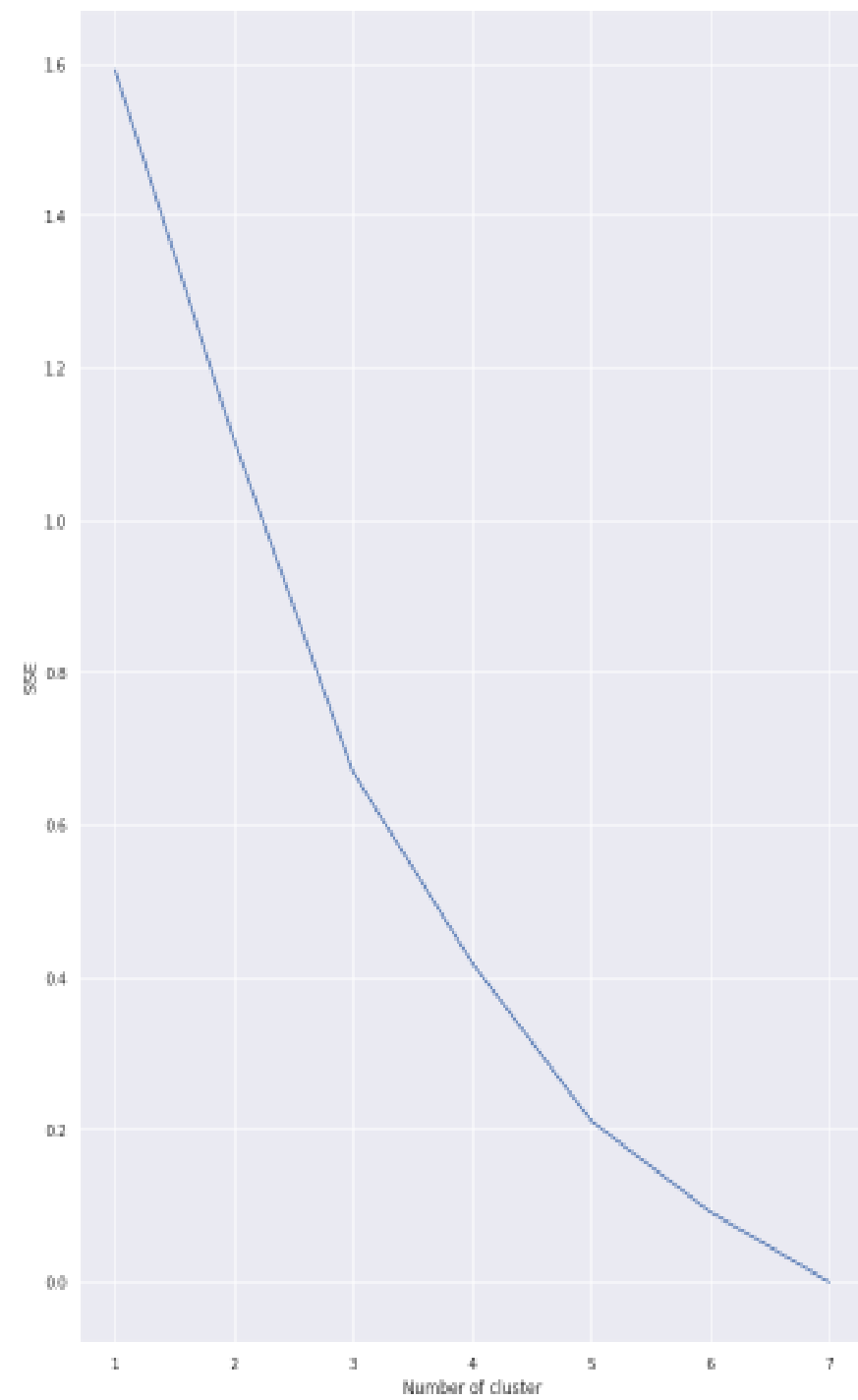
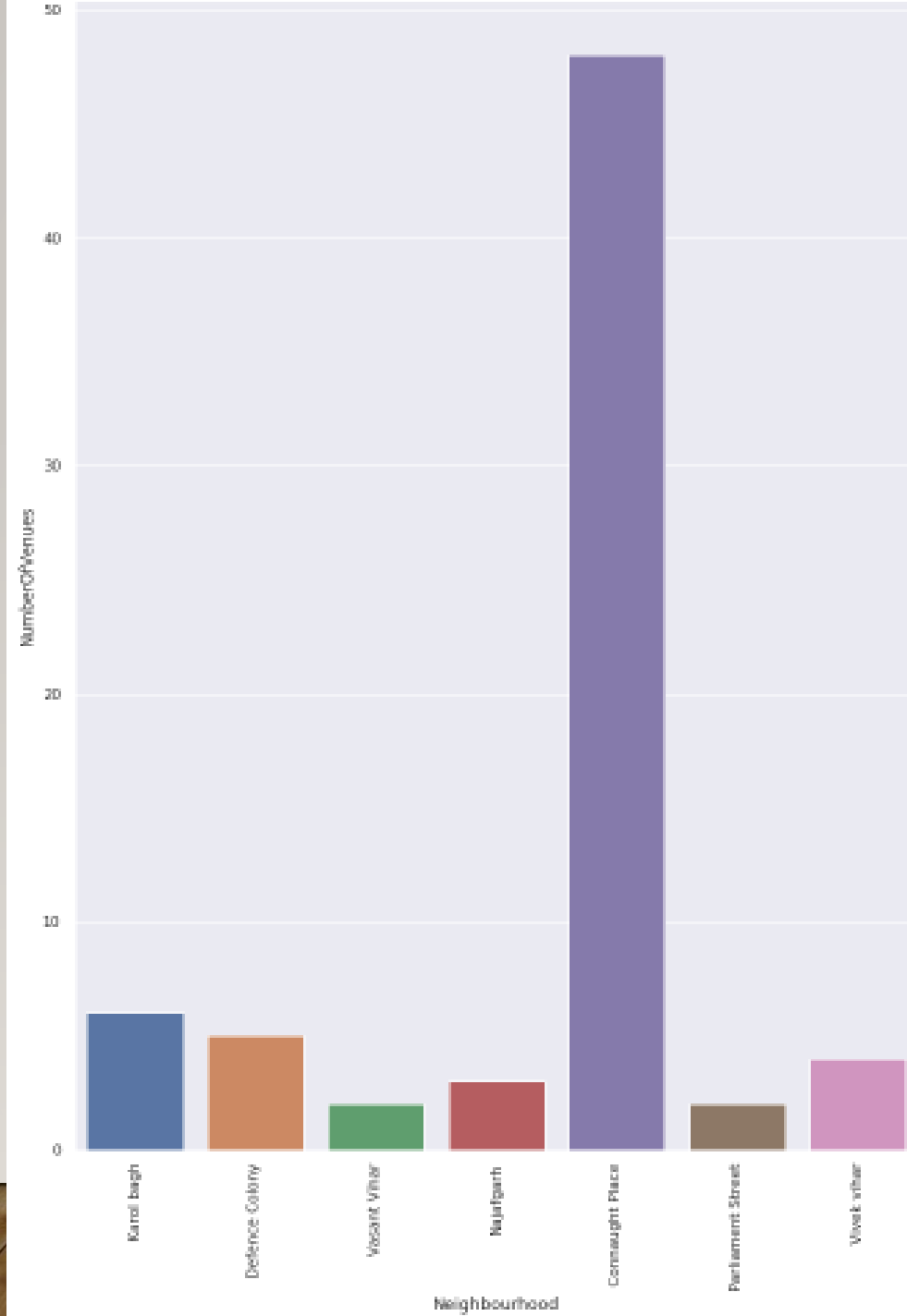
Borough	Neighbourhood	
East Delhi	Karol bagh	6
North Delhi	Defence Colony	5
North east	Vasant Vihar	2
North west	Najafgarh	3
South Delhi	Connaught Place	48
South West	Parliament Street	2
West Delhi	Vivek vihar	4

	Neighbourhood	Borough	Neighbourhood Latitude	Neighbourhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	Najafgarh	North west	28.69640	77.12710	CCD	28.696057	77.126356	Café
1	Najafgarh	North west	28.69640	77.12710	Republic Of Chicken	28.696780	77.130132	Fried Chicken Joint
2	Najafgarh	North west	28.69640	77.12710	Pik Wik	28.693941	77.130570	Indian Restaurant
3	Parliament Street	South West	28.60955	77.13967	Big Apple	28.609469	77.138672	Convenience Store
4	Parliament Street	South West	28.60955	77.13967	Brar Square Crossing	28.605906	77.140289	Plaza

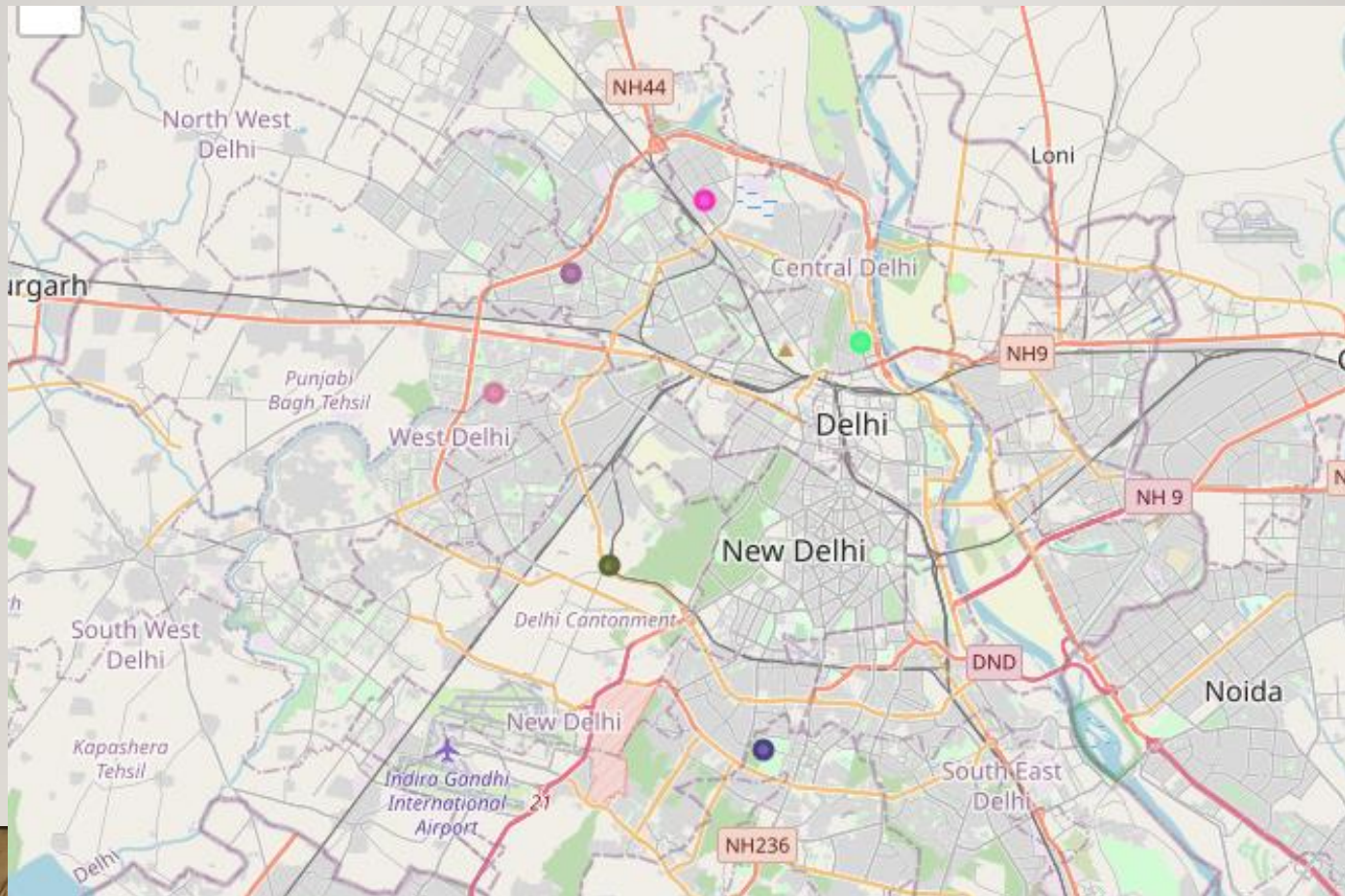
# METHODOLOGY

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- MACHINE LEARNING
- EXPLORATORY ANALYSIS



# MAPS





# RESULTS

## ----- Connaught Place -----

	Venue	Frequency
0	Venue Category_Indian Restaurant	0.10
1	Venue Category_Restaurant	0.10
2	Venue Category_Café	0.10
3	Venue Category_Bar	0.06
4	Venue Category_Mediterranean Restaurant	0.06

## ----- Defence Colony -----

	Venue	Frequency
0	Venue Category_Smoke Shop	0.2
1	Venue Category_Chinese Restaurant	0.2
2	Venue Category_Indian Restaurant	0.2
3	Venue Category_Hotel	0.2
4	Venue Category_Light Rail Station	0.2

## ----- Karol bagh -----

	Venue	Frequency
0	Venue Category_Indian Restaurant	0.17
1	Venue Category_Train Station	0.17
2	Venue Category_Ice Cream Shop	0.17
3	Venue Category_Mobile Phone Shop	0.17
4	Venue Category_Snack Place	0.17

	index	Neighborhoods	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue
0	0	Connaught Place	Venue Category_Indian Restaurant	Venue Category_Restaurant	Venue Category_Café
1	1	Connaught Place	Venue Category_Indian Restaurant	Venue Category_Restaurant	Venue Category_Café
2	2	Connaught Place	Venue Category_Indian Restaurant	Venue Category_Restaurant	Venue Category_Café