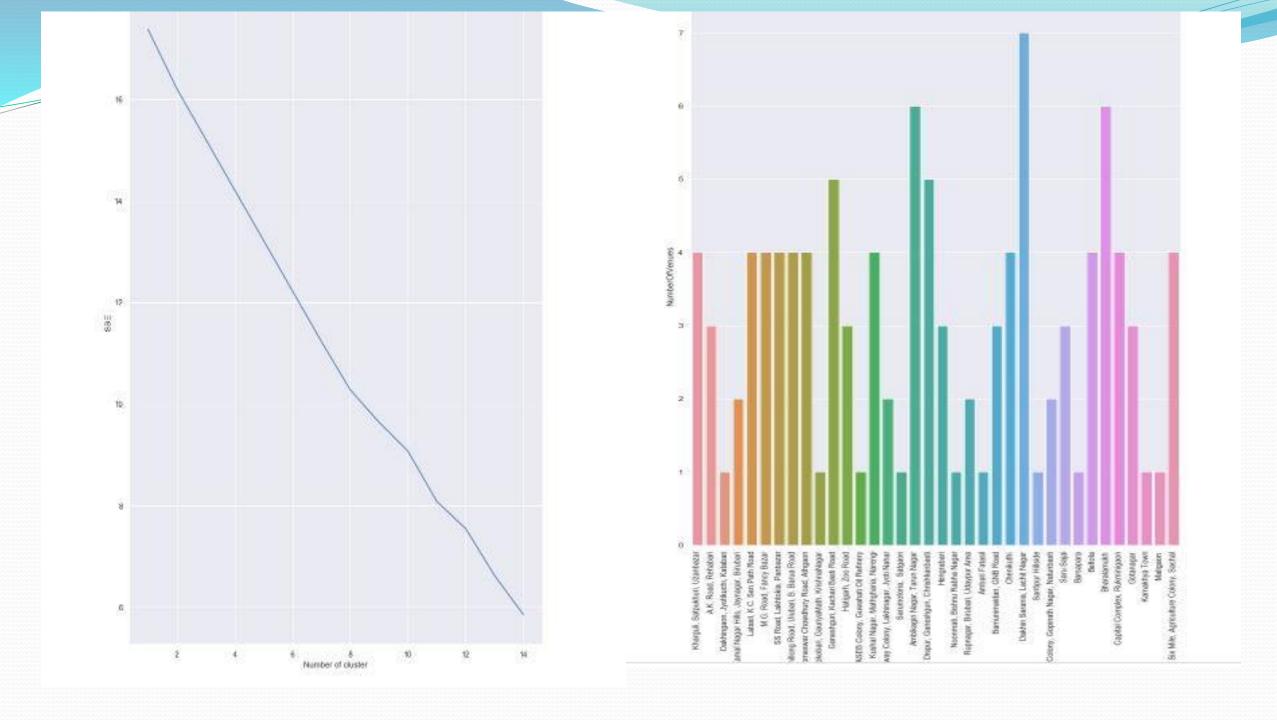
Restaurant recommender system IBM Capstone project.

Methodology

- Machine Learning
- Explanatory Analysis
- Inferential Analysis



	Borough	Neighborhoods	AverageIncome
0	West	Jalukbari	26872
1	West	Ferryghat Colony	10123
2	West	Maligaon	32343
3	West	Adabari	29123
4	West	Kamakhya Town	30345

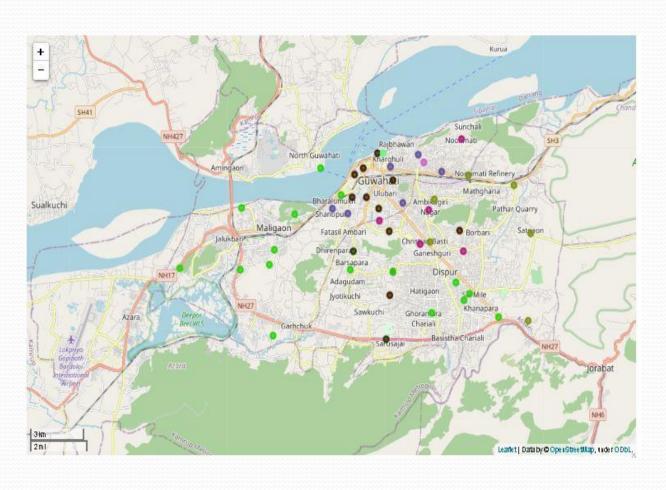
Datasets

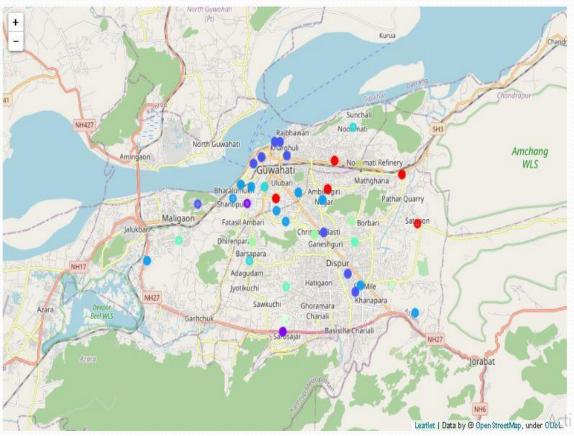
	Borough	Neighborhoods	Latitude	Longitude	Population	City	AverageIncome
0	West	Jalukbari	26.1426	91.6435	20555	Guwahati	26872
1	West	Ferryghat Colony	26.1859	91.7216	72045	Guwahati	10123
2	West	Maligaon	26.1504	91.6960	26456	Guwahati	32343
3	West	Adabari	26.1686	91.6779	21421	Guwahati	29123
4	West	Kamakhya Town	26.1659	91.7074	18623	Guwahati	30345

	Borough	Neighborhoods	Population
0	West	Jalukbari	20555
1	West	Ferryghat Colony	72045
2	West	Maligaon	26456
3	West	Adabari	21421
4	West	Kamakhya Town	18623

	Neighborhood	Borough	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
0	Maligaon	West	26.1504	91.6960	Goshala Bazaar Maligaon	26.150406	91.695621	Flea Market
1	Kamakhya Town	West	26.1659	91.7074	Kamakhya View Point	26.162372	91.705112	Scenic Lookout
2	Gotanagar	West	26.1420	91.6773	Radisson Blu	26.141747	91.673764	Hotel
3	Gotanagar	West	26.1420	91.6773	Hemalata Dhaba	26.140271	91.675350	Diner
4	Gotanagar	West	26.1420	91.6773	Cafe b you	26.141835	91.673881	Buffet

Mapping and clustering





Results and conclusion

----- Barsapara -----Venue Frequency Venue Category Recreation Center Venue Category ATM 0.0 Venue Category Pharmacy 0.0 Beltola -----Venue Frequency Venue Category Pizza Place 0.25 Venue Category_Northeast Indian Restaurant 0.25 2 0.25 Venue Category_Fast Food Restaurant Bharalamukh -----Venue Frequency Venue Category Boutique 0.33 Venue Category Hotel Bar 0.17 2 Venue Category Snack Place 0.17

	Neighborhoods	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	Ranking
0	Bishnupur Colony, Gopinath Nagar, Natunbasti	Venue Category_Hotel	Venue Category_Clothing Store	Venue Category_Zoo	[0.3206676818096672]
1	Dispur, Ganeshguri, Chrishtianbasti	Venue Category_Clothing Store	Venue Category_Shopping Mall	Venue Category_Fast Food Restaurant	[0.3733661012747169]
2	Tokobari, GauriyaMath, KrishnaNagar	Venue Category_Clothing Store	Venue Category_Zoo	Venue Category_Diner	[0.24348350807199406]

