

Report On Local Place Recommendation

IBM

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Place Of Observation : Kolkata

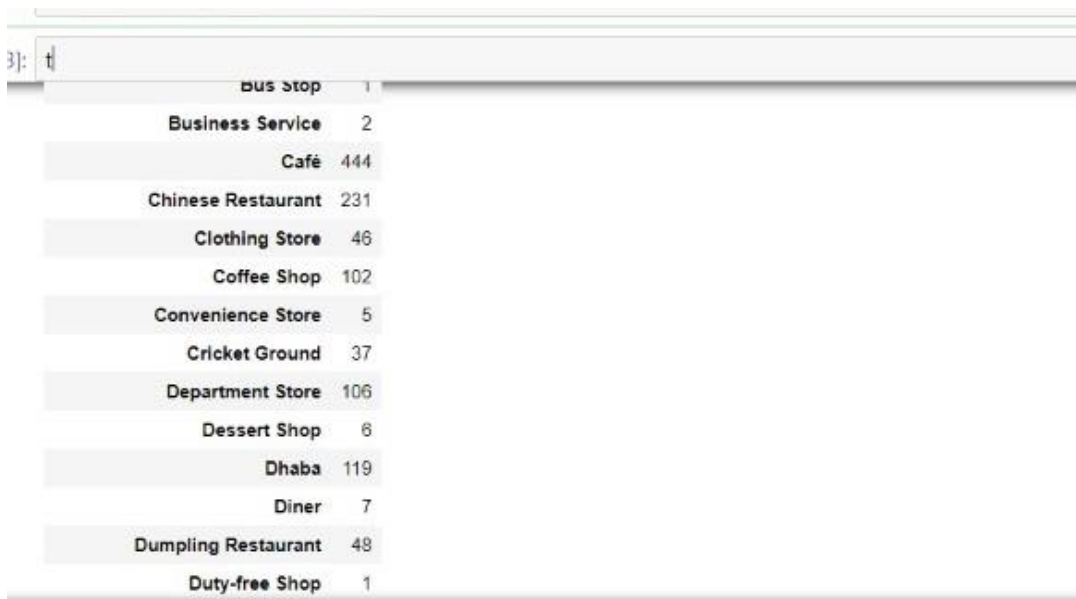
In this capstone project we have decided Kolkata as our location main aim of our project is give an idea about the provided city. Here we can see the number of different venues in our store which can tell a lot about city like number of malls, resturants, parks , hospitals. Here is our data screenshot for more you can visit this provided link to know more about it there will be a dataset containing venue types along with it number.(Link : https://github.com/himanshuraj001/Coursera_Capstone/blob/master/kolkata_details/kolkata_disribution.csv)



In [163]: t

ATM	113
Airport Lounge	10
Airport Service	7
Airport Terminal	10
American Restaurant	21
Art Gallery	2
Art Museum	30
Arts & Crafts Store	22
Asian Restaurant	93
Awadhi Restaurant	37
BBQ Joint	37
Bakery	157
Bank	3

Example 1



3): t

Bus Stop	1
Business Service	2
Café	444
Chinese Restaurant	231
Clothing Store	46
Coffee Shop	102
Convenience Store	5
Cricket Ground	37
Department Store	106
Dessert Shop	6
Dhaba	119
Diner	7
Dumpling Restaurant	48
Duty-free Shop	1

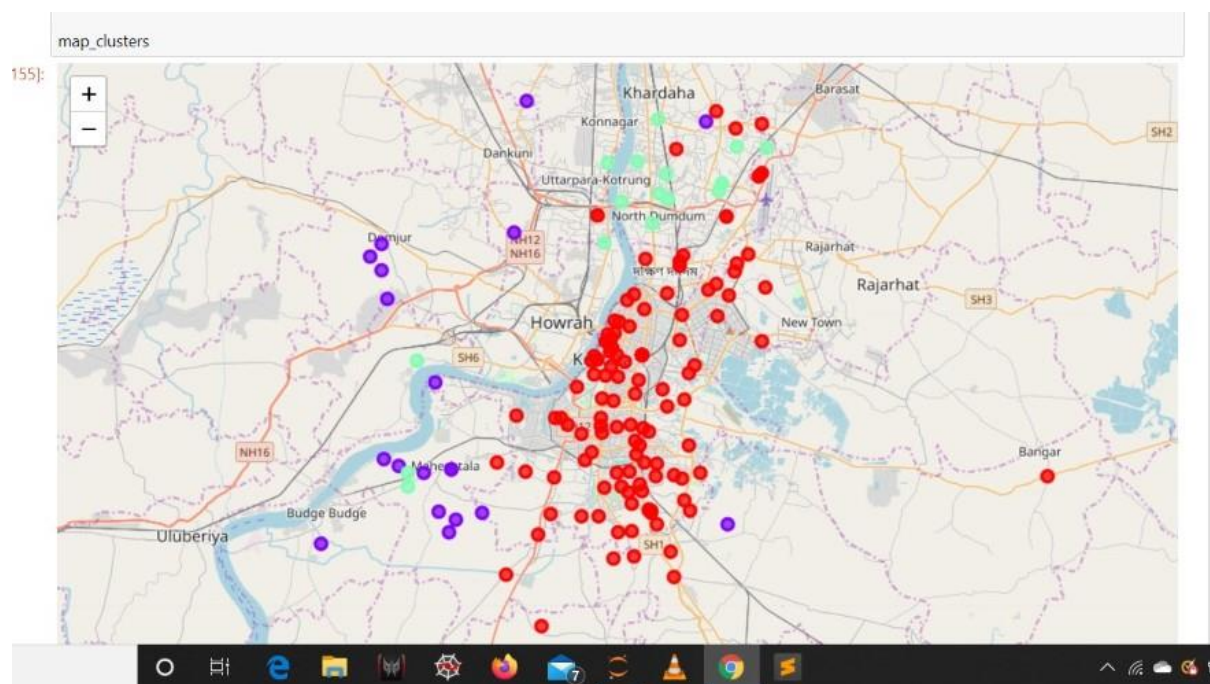
Example 2

kolkata_means_merged					
188	Mahiar	2	2	22.504850	88.406377
165	Kasba, Kolkata	2	2	22.498400	88.369970
161	Kanganbaria	2	2	22.578350	88.393850
103	Dum Dum Park	2	2	22.609470	88.416060
44	Beliaghata	2	2	22.564260	88.403120
122	Golf Green	2	2	22.494170	88.383310
51	Bhangar Raghunathpur	2	2	22.620990	88.428430
25	Bandel	2	2	22.529814	88.372288
137	Ichhapur Defence Estate	2	2	22.494740	88.371170
164	Kanyanagar	2	2	22.527540	88.375170
55	Bidhannagar	2	2	22.591510	88.416800
78	Chamdani	2	2	22.606140	88.411060
35	Barkalikapur	2	2	22.501570	88.395520
150	Kadamtala	2	2	22.626010	88.435130

The screenshot displays a web-based mapping application. At the top, there is a toolbar with standard navigation icons (back, forward, home, etc.) and a 'Code' button. Below the toolbar is a vertical zoom control with '+' and '-' buttons. The main area is a map of Kolkata, India, showing various districts and neighborhoods. Numerous purple and red dots are plotted on the map, representing data points. The map includes labels for locations such as Masat, Titagarh, Khardaha, Konnagar, Dankuni, Uttarpara-Kotrung, North Dum Dum, Rajarhat, New Town, Howrah, Budge Budge, and Uluberiya. The map also shows major roads and water bodies. The bottom right corner of the map area contains the text 'Leaflet | Data by © OpenStreetMap, under ODbL'.

Here we are showing the overall distribution of malls in Kolkata.

We have also applied Kmeans on top visited places in locality and we get this as our cluster shown below it can also have a lot of interpretations like places famous for and similar locality and if anyone wants to open a business what he can open that is most in demand and many more.



So it can have a lot of significance.