

Coursera Capstone

IBM Data Science Capstone

Segregating New Delhi Restaurants based on Location and Rating:



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Introduction:

For many connoisseurs , it will be helpful to locate a restaurant with a good rating and near by location in any city.I have chosen to segregate restaurants in New Delhi city based on location,ratings, cuisine type.

Business Problem:

To choose a restaurant based on location, rating and cuisine type. By proper selection of a restaurant which will save enormous amount of commuting time and money for a customer and at the same time rewarding good restaurants. This will be a win-win situation for both customers and restaurant owners.ie all stake holders will be benefited .This will also help to fill lacuna ie if particular cuisine type restaurant with appropriate rating is not available in that particular locality, any prospective investor or an Entrepreneur can start a new venture in that locality

Target Audience of this project:

This project is particularly useful to visitors from other parts of the country and for foreign visitors to locate appropriate restaurant suitable to their tastes. Also as mentioned above will be useful for future hoteliers.

Data

To solve the problem, we will need the following data:

First using Foursquare API, list of restaurants in New Delhi are obtained . This data gives restaurant's Name,Address,Longitude,Latitude,Cuisine,etc.This data is supplemented by Zomato data set which is published in Kaggle Competitions. This data set has extensive coverage of Restaurants in New Delhi with many details.

Link : <https://www.kaggle.com/shrutimehta/zomato-restaurants-data>

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
	Restaurant	Country	Address	Locality	Locality Vt	Longitude	Latitude	Cuisines	Average Cost	Currency	Has Table booking	Has Online delivery	Switch to	Price range	Aggregate Rating	Color	Rating text	Votes				
1	18287358 Food Cloud	1	New Delhi Aaya Naga Aaya Naga	Aaya Naga	0	0	Cuisine Va	500 Indian Rup	No	No	No	No	No	2	0	White	Not rated	2				
2	18216944 Burger.in	1	New Delhi 84, Near H Adchini	Adchini, N	77.19692	28.53538	Fast Food	350 Indian Rup	No	Yes	No	No	No	1	3.2	Orange	Average	46				
3	313333 Days of the	1	New Delhi 81/3, 1st F Adchini	Adchini, N	77.19747	28.53549	North Indi	1500 Indian Rup	Yes	Yes	No	No	No	3	3.4	Orange	Average	45				
4	18384127 Dilli Ka Dhw	1	New Delhi 66 A, Grou Adchini	Adchini, N	77.19803	28.53755	South Indi	500 Indian Rup	No	No	No	No	No	2	2.6	Orange	Average	11				
5	582 Govardhar	1	New Delhi 84, Adjace Adchini	Adchini, N	77.19692	28.53552	South Indi	500 Indian Rup	No	Yes	No	No	No	2	3.4	Orange	Average	238				
6	18414465 Mezbaan C	1	New Delhi A- 96, Shri Adchini	Adchini, N	77.19812	28.53813	Mughlai	400 Indian Rup	No	No	No	No	No	1	3.1	Orange	Average	8				
7	304243 Say Cheese	1	New Delhi 88/3, Adch Adchini	Adchini, N	77.19816	28.53745	Fast Food	400 Indian Rup	No	Yes	No	No	No	1	2.7	Orange	Average	64				
8	3554 Southy	1	New Delhi 88/4, Adch Adchini	Adchini, N	77.19795	28.53747	South Indi	450 Indian Rup	No	Yes	No	No	No	1	2.6	Orange	Average	113				
9	18369872 Monosoz	1	New Delhi Sri Aurobir Adchini	Adchini, N	77.19804	28.53839	Pizza	300 Indian Rup	No	Yes	No	No	No	1	3.7	Yellow	Good	66				
10	948 Waves	1	New Delhi A-4, Sarvo Adchini	Adchini, N	77.19881	28.53867	North Indi	1500 Indian Rup	Yes	Yes	No	No	No	3	3.5	Yellow	Good	141				
11	2853 Delhi Darb	1	New Delhi 84, Main R Adchini	Adchini, N	77.19697	28.53576	Chinese, N	500 Indian Rup	No	No	No	No	No	2	2.2	Red	Poor	77				
12	18433900 Chateau	1	New Delhi 84, Aurobi Adchini	Adchini, N	77.19679	28.53566	Mediterrai	1600 Indian Rup	Yes	No	No	No	No	3	4	Green	Very Good	40				
13	18425159 Nariyal Ca	1	New Delhi A-4, 3rd Fc Adchini	Adchini, N	77.19915	28.53844	Continents	1200 Indian Rup	Yes	No	No	No	No	3	4.2	Green	Very Good	46				
14	310958 Rustom's f	1	New Delhi 94-A/B, Ad Adchini	Adchini, N	77.19816	28.5379	Parsi	1500 Indian Rup	Yes	Yes	No	No	No	3	4.2	Green	Very Good	665				
15	18334443 BarShala	1	New Delhi Aditya Mal Aditya Mej	Aditya Mej	77.30063	28.65575	Finger Foo	600 Indian Rup	No	No	No	No	No	2	3.2	Orange	Average	31				
16	18255141 Chawla'sG	1	New Delhi Shop 5G 4(Aditya Mej	Aditya Mej	77.3012	28.65605	North Indi	800 Indian Rup	Yes	Yes	No	No	No	2	3.4	Orange	Average	32				
17	197 Domino's I	1	New Delhi 15/16/16- Aditya Mej	Aditya Mej	77.30163	28.65645	Pizza, Fast	700 Indian Rup	No	No	No	No	No	2	2.8	Orange	Average	83				
18	308235 Sultanat	1	New Delhi 31-BC, Grc Aditya Mej	Aditya Mej	77.3016	28.65626	North Indi	1000 Indian Rup	Yes	Yes	No	No	No	3	3.7	Yellow	Good	288				
19	18258757 Bella Italia	1	New Delhi Ground Fl Aerocity	Aerocity, N	77.0879	28.55446	Fast Food	550 Indian Rup	No	No	No	No	No	2	3.2	Orange	Average	33				
20	307383 Clever Fox	1	New Delhi Red Fox Hi Aerocity	Aerocity, N	77.12064	28.55169	North Indi	900 Indian Rup	Yes	No	No	No	No	2	3.2	Orange	Average	26				
21	18386746 365 Natur	1	New Delhi Multilevel Aerocity	Aerocity, N	77.0879	28.55446	Continents	600 Indian Rup	No	No	No	No	No	2	0	White	Not rated	2				
22	18337885 Tpot	1	New Delhi Basement, Aerocity	Aerocity, N	77.0879	28.55446	Cafe	800 Indian Rup	No	No	No	No	No	2	0	White	Not rated	0				
23	310491 4 on 44 Re	1	New Delhi 112, Aggar Aggarwal (Aggarwal (	Aggarwal (	77.13462	28.69014	North Indi	1000 Indian Rup	Yes	Yes	No	No	No	3	2.6	Orange	Average	49				
24	18337789 Rambhog	1	New Delhi Shop 31, A Aggarwal (Aggarwal (	Aggarwal (	77.13456	28.69001	Street Foo	200 Indian Rup	No	No	No	No	No	1	3.3	Orange	Average	13				
25	18222573 Selfie Lour	1	New Delhi 214-215, 2 Aggarwal (Aggarwal (	Aggarwal (	77.13477	28.6899	North Indi	1500 Indian Rup	Yes	Yes	No	No	No	3	3.2	Orange	Average	64				
26	3370 BTW	1	New Delhi G-71 & G-1 Aggarwal (Aggarwal (	Aggarwal (	77.11773	28.70033	Street Foo	400 Indian Rup	No	No	No	No	No	1	3.4	Orange	Average	167				
27	307439 Chilli Pepp	1	New Delhi G-89-90, N Aggarwal (Aggarwal (	Aggarwal (	77.11764	28.70064	North Indi	900 Indian Rup	Yes	Yes	No	No	No	2	3.3	Orange	Average	99				
28	1078 Pizza Hut	1	New Delhi 17, Manga Aggarwal (Aggarwal (	Aggarwal (	77.11726	28.70069	Italian, Piz	1000 Indian Rup	No	Yes	No	No	No	3	2.6	Orange	Average	125				

