

Coursera Capstone

IBM Data Science Capstone

Segregating New Delhi Restaurants based on Location and Rating:



By: Venkata Seetharam

Pendekanti

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>

Restaurant	Country	Address	Locality	Locality V	Longitude	Latitude	Cuisines	Average C	Currency	Has Table booking	Has Online Is deliver	Switch to	Price range	Aggregate Rating	Rating color	Rating text	Votes
1 Restaurant Food Cloud	1	New Delhi Aaya Naga Aaya Naga Aaya Naga					0 Cuisine Va	500	Indian Rup	No	No	No	2	0 White	Not rated		2
2 18287558 Burger.in	1	New Delhi 84, Near H Adchini	Adchini, N	77.19692	28.53538	Fast Food	350	Indian Rup	No	Yes	No	No	1	3.2 Orange	Average		46
3 313133 Days of the	1	New Delhi 81/1, Ist F Adchini	Adchini, N	77.19747	28.52549	North Indi	1500	Indian Rup	Yes	Yes	No	No	3	3.4 Orange	Average		45
4 18384127 Dilli Ka Dhu	1	New Delhi 66 A, Grou Adchini	Adchini, N	77.19803	28.53755	South Indi	500	Indian Rup	No	No	No	No	2	2.6 Orange	Average		11
5 582 Govardhan	1	New Delhi 84, Adchi Adchini	Adchini, N	77.19692	28.53552	South Indi	500	Indian Rup	No	Yes	No	No	2	3.4 Orange	Average		238
6 18434465 Meehan C	1	New Delhi A-96, Shri Adchini	Adchini, N	77.19812	28.53813	Mughal	400	Indian Rup	No	No	No	No	1	3.1 Orange	Average		8
7 304243 Say Chesi	1	New Delhi 88/L, Adchi Adchini	Adchini, N	77.19836	28.53745	Fast Food	400	Indian Rup	No	Yes	No	No	1	2.7 Orange	Average		64
8 3554 Southy	1	New Delhi 88/4, Adchi Adchini	Adchini, N	77.19795	28.53747	South Indi	450	Indian Rup	No	Yes	No	No	1	2.6 Orange	Average		113
9 18369872 Monosoz	1	New Delhi 51 Aurebi Adchini	Adchini, N	77.19804	28.53839	Pizza	300	Indian Rup	No	Yes	No	No	1	3.7 Yellow	Good		66
10 948 Waves	1	New Delhi A-4, Sarvi Adchini	Adchini, N	77.19882	28.53867	North Indi	1500	Indian Rup	Yes	Yes	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	2	2.2 Red	Poor		77
12 18433900 Chateau	1	New Delhi 84, Aurebi Adchini	Adchini, N	77.19679	28.53566	Mediterr	1800	Indian Rup	Yes	No	No	No	3	4 Green	Very Good		40
13 18425159 Ramlyal Ca	1	New Delhi A-4, 3rd Fc Adchini	Adchini, N	77.19915	28.53844	Continents	1200	Indian Rup	Yes	No	No	No	3	4.2 Green	Very Good		46
14 310958 Rastozn's i	1	New Delhi 94-A/B, Ad Adchini	Adchini, N	77.19836	28.5379	Parsi	1500	Indian Rup	Yes	Yes	No	No	3	4.2 Green	Very Good		665
15 18334443 BarShala	1	New Delhi Aditya Mai Aditya Me, Aditya Me	Aditya Me	77.30063	28.65575	Finger Foo	600	Indian Rup	No	No	No	No	2	3.2 Orange	Average		31
16 18255141 Chevle'VQ	1	New Delhi Shop 90 Al Aditya Me, Aditya Me	Aditya Me	77.3012	28.65605	North Indi	800	Indian Rup	Yes	Yes	No	No	2	3.4 Orange	Average		32
17 197 Domino's i	1	New Delhi 15/16/16--Aditya Me, Aditya Me	Aditya Me	77.30163	28.65645	Pizza, Fast	700	Indian Rup	No	No	No	No	2	2.8 Orange	Average		83
18 308235 Sultanat	1	New Delhi 31-BC, Grc Aditya Me, Aditya Me	Aditya Me	77.3016	28.65626	North Indi	1000	Indian Rup	Yes	Yes	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	2	3.2 Orange	Average		33
20 307383 Clever Fox	1	New Delhi Red Fox H Aerocity	Aerocity, N	77.12064	28.55569	North Indi	900	Indian Rup	Yes	No	No	No	2	3.2 Orange	Average		26
21 18386746 365 Naturi	1	New Delhi MultiLevel Aerocity	Aerocity, N	77.0879	28.55446	Continents	600	Indian Rup	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	2	0 White	Not rated		0
23 315491 4 on 44 Re	1	New Delhi 112, Aggar Aggarwal (Aggarwal (	Aggarwal (	77.13462	28.69054	North Indi	1000	Indian Rup	Yes	Yes	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	1	3.3 Orange	Average		13
25 18222573 Selfie Lou	1	New Delhi 214-215, 2 Aggarwal (Aggarwal (	Aggarwal (	77.13477	28.6899	North Indi	1500	Indian Rup	Yes	Yes	No	No	3	3.2 Orange	Average		64
26 3370 87W	1	New Delhi G-71 & G- Aggarwal (Aggarwal (	Aggarwal (	77.11773	28.70033	Street Foo	400	Indian Rup	No	No	No	No	1	3.4 Orange	Average		167
27 307439 Chilli Pepp	1	New Delhi G-89-90, h Aggarwal (Aggarwal (	Aggarwal (	77.11764	28.70064	North Indi	900	Indian Rup	Yes	Yes	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	3	2.6 Orange	Average		125

