

Restaurant Rating Prediction (Wireframe)

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User Interface

1-User will be able to see below screen when he/she will open the application)

Restaurant Rating Prediction

Select one of the following

About



Submit

2- In this user can select About,EDA or Predictions .

Restaurant Rating Prediction

Select one of the following

About| ▼

About

EDA

Predictions

3 On clicking about page the user gets problem statement dataset sample first five rows last five rows number of rows and columns missing values as well as describe of the dataset

About Page

Problem Statement: The main goal of this project is to perform extensive Exploratory Data Analysis(EDA) on the Zomato Dataset and build an appropriate Machine Learning Model that will help various Zomato Restaurants to predict their respective Ratings based on certain features.

The dataframe sample

	url
25807	https://www.zomato.com/bangalore/agnihotri-cuisines-banaswadi?context=eyJzZSI6eyJlIjpbJlE4NTQwMzc3liv
33884	https://www.zomato.com/bangalore/jai-jinendra-koramangala-6th-block?context=eyJzZSI6eyJlIjpbJlE4OTU5M
17741	https://www.zomato.com/bangalore/brownie-heaven-indiranagar-bangalore?context=eyJzZSI6eyJlIjpbJlE4MzE4OTU5M
25048	https://www.zomato.com/bangalore/xo-cafe-banaswadi-bangalore?context=eyJzZSI6eyJlIjpbJlE4OTQ0MzEwli
27992	https://www.zomato.com/bangalore/evo-koramangala-1st-block?context=eyJzZSI6eyJlIjpbJlE4NjExMTAyliwiM
15445	https://www.zomato.com/bangalore/kareems-frazer-town-bangalore?context=eyJzZSI6eyJlIjpbJlE4NzI3NTE0li
45652	https://www.zomato.com/bangalore/chatora-singh-airport-road-bangalore?context=eyJzZSI6eyJlIjpbJlYxNjY1I
43009	https://www.zomato.com/bangalore/safa-hotel-shivajinagar?context=eyJzZSI6eyJlIjpbJlE4NDMyOTkwliwiMTg2
17668	https://www.zomato.com/bangalore/xo-belgian-waffle-indiranagar-bangalore?context=eyJzZSI6eyJlIjpbJlE4NzI3NTE0li
35797	https://www.zomato.com/bangalore/zingron-koramangala-7th-block?context=eyJzZSI6eyJlIjpbJlE4NDM3ODc0li

The number of rows is

51717

The number of columns is

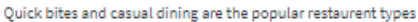
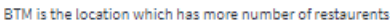
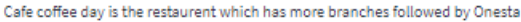
17

The first five rows of the dataset

	url	at
0	https://www.zomato.com/bangalore/jalsa-banashankari?context=eyJzZSI6eyJlIjpbnTg2OTQsIjE4Mzc1NDc0Iiw9	9
1	https://www.zomato.com/bangalore/spice-elephant-banashankari?context=eyJzZSI6eyJlIjpbIjU4Njk0IiwxODM	2
2	https://www.zomato.com/SanchurroBangalore?context=eyJzZSI6eyJlIjpbIjU4Njk0Iiw1MTgzNzU0NzQiLDU5MDk	1
3	https://www.zomato.com/bangalore/addhuri-udupi-bhojana-banashankari?context=eyJzZSI6eyJlIjpbIjU4Njk0	1
4	https://www.zomato.com/bangalore/grand-village-basavanagudi?context=eyJzZSI6eyJlIjpbIjU4Njk0Iiw1MTgzN	1

The last five rows of the dataset

	url	at
51712	https://www.zomato.com/bangalore/best-brewns-four-points-by-sheraton-bengaluru-whitefield-whitefield?con	
51713	https://www.zomato.com/bangalore/vinod-bar-and-restaurant-whitefield-bangalore?context=eyJzZSI6eyJlIjpbI	
51714	https://www.zomato.com/bangalore/plunge-sheraton-grand-bengaluru-whitefield-hotel-convention-centre-w	
51715	https://www.zomato.com/bangalore/chime-sheraton-grand-bengaluru-whitefield-hotel-convention-centre-itp	
51716	https://www.zomato.com/bangalore/the-peak-the-dog-bengaluru-itel-main-road-whitefield-bangalore?context=eyJzZSI6eyJlIjpbIjU4Njk0Iiw1MTgzNzU0NzQiLDU5MDk	



5. On selecting Predictions user gets a form to give the inputs and on submit user gets the predicted rating.

Predictions ▼

online_order

Yes ▼

book_table

Yes ▼

votes

775.00 - +

location

Banashankari ▼

rest_type

Casual Dining ▼

cuisines

North Indian, Mughlai, Chinese ▼

approximate cost for two

800.01 - +

listed in type

Buffet ▼

Get predictions

The predicted rating is [4.176]