

Main Objective:

The main agenda of this project is:

- To create Zomato Dataset capable of Performing extensive Exploratory Data Analysis (EDA).
- Build an appropriate Machine Learning Model that will help various Zomato Restaurants to predict their respective Ratings based on certain features.

Features:

- URL contains the URL of the restaurant in the Zomato website.
- address contains the address of the restaurant in Bengaluru
- name contains the name of the restaurant
- online order whether online ordering is available in the restaurant or no
- book table book option available or not
- rate contains the overall rating of the restaurant out of 5
- votes contains total number of rating for the restaurant as of the above mentioned data
- phone contains the phone number of the restaurant
- location contains the neighbourhood in which the restaurant is located
- rest type restaurant type.
- dish liked dishes people liked in the restaurant

Conclusion:

· For the modelling part, tried using Linear Regression, Decision Tree Regressor, Random Forest Regressor , Support vector Regressor & Extra Tree Regressor. From all these models Extra Tree Regressor perform well compared to the other model.