

## ABSTRACT

Every time we travel, we seek the greatest or most affordable restaurants—as long as they are respectable. If we wish to taste the meal at any new places, we can also first read the ratings or reviews. One such software that offers consumers ratings and reviews of Indian eateries is Zomato.

Along with information on each restaurant's overall rating, the Zomato dataset provides information on the factors that were important in determining the opening of various types of restaurants in different Bangalore neighborhoods. There are 17 columns and 51717 rows in this dataset. The cheapest restaurant in Bengaluru is what we're looking for. A few examples of correlations that might be investigated along with the same are the most expensive restaurant, the best location, the relationship between location and rating, and the number of restaurants in a certain area.

We would start by regulating Nan values, null values, eliminating duplicates, and other Transformations according to the real-time nature of the data. Rates is our goal variable, and it is displayed there. We examine the relationships between the rates and the other elements of the dataset. We will next plot the relationship between all the other dependent qualities and our target variable to identify the ones that are most connected with it.

The most often employed criterion for evaluating a restaurant for any individual is its rating. Numerous studies on various restaurants' food quality offerings have been conducted. How well a restaurant is ranked depends on a variety of factors, including reviews, votes, location, average cost per person, cuisine, and restaurant type.

To learn more about popular restaurants and to determine their ratings, this project's major objective is to collect data. With the assistance of this article, we were able to analyse a range of prediction models, including Logistic Regression, Random Forest, Naive Bayes, KNN, and Decision Tree, and we achieved a score of 82.81 percent.

The forecast accuracy provided by these models will allow us to determine which one provides the most accurate and optimum readings.