Foodie Community

Problem Statement:

A friendly foodie community in Bengaluru formed by 20 students has conducted a survey on Food Restaurant reviews. With the analysis of the survey, the community came to know that many restaurant owners are willing to know their customer's opinion in terms of the ratings given by them but most of them are not willing to know their customer's opinion in terms of reviews. Usually few customers give only review, few give only rating and few give both review and rating. The foodie community has collected all the raw data from restaurant managers and they have promised to help them in knowing the rating incase if customer has given only a review.

Goal/Objective:

Assume you are one among the 20 members of the community and you want to make their job easier in helping restaurant managers, build a classification model which predicts the rating based on the customer reviews and other parameters.

Data Description:

Data is collected from multiple restaurants around the city of Bengaluru.

Attribute Information:

1. **Restaurant_Name:** Consists of restaurant name.
2. **Reviewer_Name**: Name of the customer who gave review.
3. **Review_Text**: Actual body of the review.
4. **Rating(1 - 5)**: Target variable ranges from 1 to 5.
5. **Reviews & Followers**: Gives count of reviews and followers.
6. **Time**: Time the review has given.
7. **Pictures_uploaded**: How many food and restaurant pictures the customer has uploaded along with a review

Files Provided:
Training_Data: Should be used to feed your model.
Testing_Data: Should be used to generate results.

Evaluation Criteria:
The evaluation metric for this problem statement is the Accuracy Score.

Note: Every row (review) in testing data should be classified into rating. Participants are free to use any classifier or any text related techniques to generate accurate results.