Zomato Data Review Analysis With Prediction

In this Analysis i used a Dataset from Kaggle

Dataset link:https://www.kaggle.com/datasets/taaresh7/zomato-reviews

	review	rating
0	One stop place for every foodie as you get var...	5.0
1	Punjab Sweets Corner is a place where you'll f...	5.0
2	customer misbehave with me and the sandwich wa...	1.0
3	i had worst pizza from this food corner. Quali...	2.0
4	I recently visited this place in karol Bagh an...	5.0
...	...	...
103178	Pretty underrated. They serve really great foo...	3.5
103179	Tried their family veg combo !! The dal and pa...	4.0
103180	Today i tasted thalli from street food it was ...	3.5
103181	Random Sunday afternoon at Ambiance Mall. Lunc...	2.0
103182	If they would have name this place as Punjab G...	2.0

103183 rows × 2 columns

Then i added a Extra Feature in my analysis namely Status based on the review ratings

	review	rating	Status
0	One stop place for every foodie as you get var...	5.0	Positive
1	Punjab Sweets Corner is a place where you'll f...	5.0	Positive
2	customer misbehave with me and the sandwich wa...	1.0	Negative
3	i had worst pizza from this food corner. Quali...	2.0	Negative
4	I recently visited this place in karol Bagh an...	5.0	Positive

-->I used Natural Language Processing techniques for classifying my users review such as

*Stemming

*Toeknization

*Vectorization concepts such WordVec2,Bag of Words,Count Vectorizer and TD-IDF

*I used Spacy Library for the Prediction

Then i represented my datasets using python visualization libraries such as Seaborn and Matplotlib.

I used Machine learning Mathematical Models such as Logistic regression and Naive bayes used to classification

I get More accuracy in Logistic regression Model When compared to Naive bayes.

Accuracy of Logistic Classification Model = 92.30

Accuracy of Naive Bayes Classification model = 90.76

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