Mini Project - PDSML

Domain: Logistics

content : Zomato API Analysis is one of the most useful analyses for foodies who want to taste the best cuisines of every part of the world which lies in their budget. This analysis is also for those who want to find the value for money restaurants in various parts of the country for the cuisines. Additionally, this analysis caters to the needs of people who are striving to get the best cuisine of the country and which locality of that country serves that cuisine with the maximum number of restaurants.

Features Information :-

The collected data has been stored in the Comma Separated Value file Zomato.csv. Each restaurant in the dataset is uniquely identified by its Restaurant Id. Every Restaurant contains the following variables:

- **Restaurant Id:** Unique id of every restaurant across various cities of the world.
- **Restaurant Name:** Name of the restaurant.
- **Country Code:** Country in which restaurant is located.
- **City:** City in which a restaurant is located.
- **Address:** Address of the restaurant.
- **Locality:** Location in the city.
- **Locality Verbose:** Detailed description of the locality.
- **Longitude:** Longitude coordinate of the restaurant's location.
- **Latitude:** Latitude coordinate of the restaurant's location.
- **Cuisines:** Cuisines offered by the restaurant.
- **Average Cost for two:** Cost for two people in different currencies .
- **Currency:** Currency of the country.
- **Has Table booking:** yes/no.

- **Has Online delivery:** yes/ no.
- **Is delivering:** yes/ no.
- **Switch to order menu:** yes/no.
- **Price range:** range of price of food.
- **Aggregate Rating:** Average rating out of 5.
- **Rating color:** depending upon the average rating color.
- **Rating text:** text on the basis of rating of rating.
- **Votes:** Number of ratings casted by people.

Deliverables :

Data Analysis :

In this stage extracts useful information statistically. Such as check outliers, skewness, compare the features by graph and many more. Do all the required steps as well.

In this process involves performing

1. **Univariate Analysis :** In this part, first check target features and start univariate analysis.
2. **Bivariate analysis :** This analysis involves studying two variables and their relationship, recalling some of the hypotheses that we generated earlier.
3. **Removing Missing values if any :** After exploring all the variables in our data, we can now impute the missing values and treat the outliers because missing data and outliers can have an adverse effect on the model performance and accuracy.

Dataset link: - Zomato Dataset
Deadline to submit the project : One Week.

ALL THE BEST