

PANDAS QUESTIONS – ZOMATO

DATASET Practice Questions Total:

30 questions

Dataset:

<https://www.kaggle.com/datasets/himanshupoddar/zomato-bangalore-restaurants>

Dataset Understanding

1. Load the Zomato dataset into a Pandas DataFrame.
2. Display the first 10 rows of the dataset.
3. Display the shape of the dataset.
4. Display all column names.
5. Check the data types of each column.
6. Generate summary statistics for numerical columns.

Missing Values & Cleaning

1. Check the number of missing values in each column.
2. Find which column has the maximum missing values.
3. Drop rows where the rating column has missing values.
4. Replace missing values in the rate column with its mean (after cleaning).
5. Remove duplicate rows from the dataset.

Data Filtering & Selection

1. Select all restaurants located in Bangalore.
2. Filter restaurants that offer online ordering.
3. Filter restaurants that provide table booking.
4. Find restaurants with a rating greater than 4.0.
5. Filter restaurants having more than 500 votes.

Sorting & Ranking

1. Sort restaurants by rating in descending order.
2. Sort restaurants by votes and rating together.

3. Find the top 10 restaurants based on rating.

GroupBy & Aggregation

1. Find the average rating for each location.
2. Find the count of restaurants in each location.
3. Find the average cost for two grouped by restaurant type.
4. Find locations having more than 50 restaurants.
5. Find the maximum votes received by a restaurant in each location.

String & Feature Engineering

1. Extract numeric values from the rate column and convert it to float.
2. Create a new column that categorizes restaurants as Cheap / Moderate / Expensive based on cost.
3. Find restaurants whose name contains the word "Cafe".