## Zomato Data Analysis Project

## Cell 1: Import Libraries import numpy as np import pandas as pd import matplotlib.pyplot as plt import seaborn as sns Cell 2: Upload the CSV File from google.colab import files

# Upload the CSV file

uploaded = files.upload()

```
# Load the uploaded file into a DataFrame
file_name = next(iter(uploaded)) # Get the name of the uploaded file
dataframe = pd.read_csv(file_name)
print("CSV file loaded successfully!")
print(dataframe.head())
```

Choose Files No file chosen Upload widget is only available when the cell has been executed in the current browser session. Please rerun this cell to enable.

Saving Zomato\_data.csv to Zomato\_data.csv CSV file loaded successfully!

	name	online_order	book table	rate	votes	\
0	Jalsa	Yes	_	4.1/5	775	`
1	Spice Elephant	Yes		4.1/5	787	
	·			,		
2	San Churro Cafe	Yes		3.8/5	918	
3	Addhuri Udupi Bhojana	No	No	3.7/5	88	
4	Grand Village	No	No	3.8/5	166	

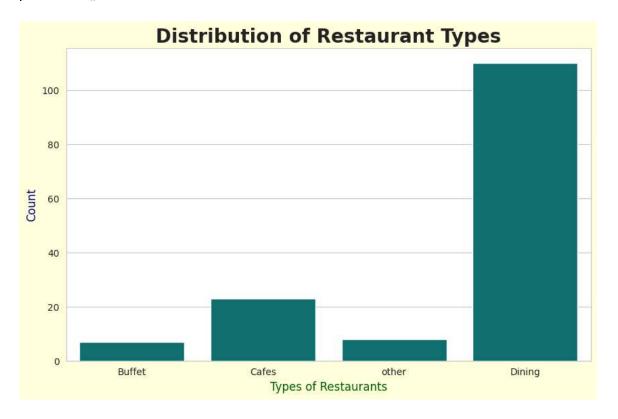
approx\_cost(for two people) listed\_in(type)

0	800	Buffet
1	800	Buffet
2	800	Buffet
3	300	Buffet
4	600	Buffet

Cell 3: Data Cleaning

```
# Convert the data type of column -rate
def handleRate(value):
    value = str(value).split('/')
    value = value[0]
    return float(value)
dataframe['rate'] = dataframe['rate'].apply(handleRate)
print("Data after cleaning 'rate' column:")
print(dataframe.head())
# Check null and missing values
print("\nDataframe Info:")
dataframe.info()
Data after cleaning 'rate' column:
                    name online_order book_table rate votes \
0
                   Jalsa
                                                    4.1
                                   Yes
                                              Yes
                                                           775
1
          Spice Elephant
                                                    4.1
                                                           787
                                               No
                                   Yes
2
         San Churro Cafe
                                   Yes
                                               No
                                                    3.8
                                                           918
3
  Addhuri Udupi Bhojana
                                                    3.7
                                                            88
                                    No
                                               No
4
           Grand Village
                                                    3.8
                                                           166
                                    No
                                               No
   approx_cost(for two people) listed_in(type)
0
                           800
                                         Buffet
1
                           800
                                         Buffet
2
                                         Buffet
                           800
                                         Buffet
3
                           300
                           600
                                         Buffet
4
Dataframe Info:
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 148 entries, 0 to 147
Data columns (total 7 columns):
```

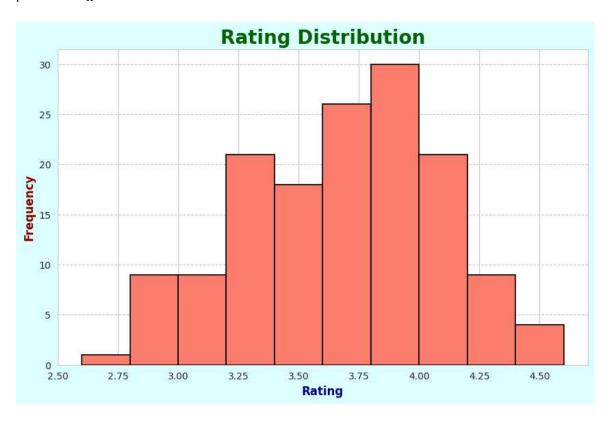
#	Column	Non-Null Count	Dtype				
0	name	148 non-null	object				
1	online_order	148 non-null	object				
2	book_table	148 non-null	object				
3	rate	148 non-null	float64				
4	votes	148 non-null	int64				
5	<pre>approx_cost(for two people)</pre>	148 non-null	int64				
6	listed_in(type)	148 non-null	object				
<pre>dtypes: float64(1), int64(2), object(4)</pre>							
memory usage: 8.2+ KB							

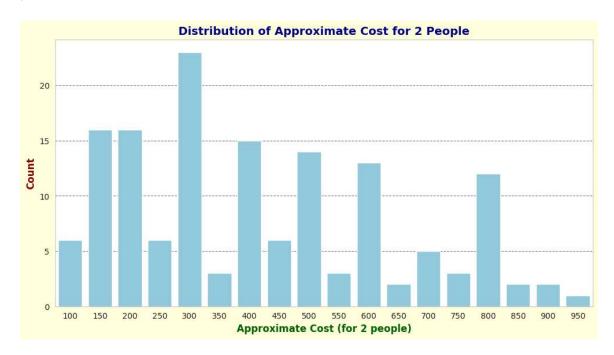


Cell 5: Task 2 - Voting According to Restaurant Type

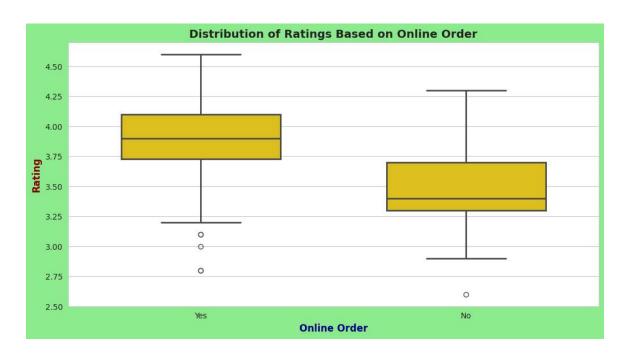


Cell 6: Task 3 - Finding Rating of Majority Restaurants





Cell 8: Step 5 - Which Mode Receives Maximum Rating



Cell 9: Step 6 - Which Type of Restaurant Received More Offline Orders

