

## ✓ Zomato Analysis

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

```
dataFrame = pd.read_csv('Zomato data.csv')
```

```
dataFrame.head()
```

|   | name                  | online_order | book_table | rate  | votes | approx_cost(for two people) | listed_in(type) |
|---|-----------------------|--------------|------------|-------|-------|-----------------------------|-----------------|
| 0 | Jalsa                 | Yes          | Yes        | 4.1/5 | 775   | 800                         | Buffet          |
| 1 | Spice Elephant        | Yes          | No         | 4.1/5 | 787   | 800                         | Buffet          |
| 2 | San Churro Cafe       | Yes          | No         | 3.8/5 | 918   | 800                         | Buffet          |
| 3 | Addhuri Udupi Bhojana | No           | No         | 3.7/5 | 88    | 300                         | Buffet          |
| 4 | Grand Village         | No           | No         | 3.8/5 | 166   | 600                         | Buffet          |

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```
def handleRate(value):
    value = str(value).split('/')
    value = value[0]
    return float(value)
```

```
dataFrame['rate'] = dataFrame['rate'].apply(handleRate)
```

```
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   approx_cost(for two people)         148 non-null    int64
 6   listed_in(type)                     148 non-null    object
dtypes: float64(1), int64(2), object(4)
memory usage: 8.2+ KB
```

**Q1: TYPE OF RESTAURANT DO THE MAJORITY OF CUSTOMER ORDER FROM \*\* \*\***

```
dataFrame.head()
```

|   | name                  | online_order | book_table | rate | votes | approx_cost(for two people) | listed_in(type) |
|---|-----------------------|--------------|------------|------|-------|-----------------------------|-----------------|
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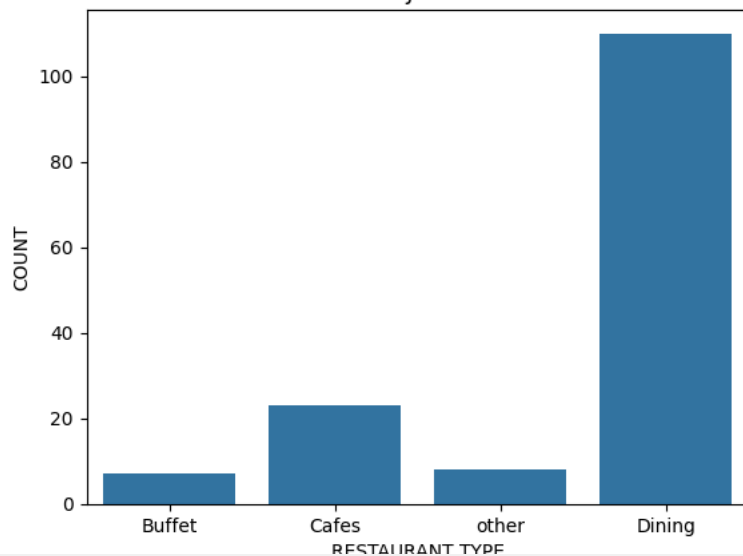
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```
sns.countplot(x=dataFrame['listed_in(type)'])
plt.xlabel('RESTAURANT TYPE')
plt.ylabel('COUNT')
plt.title('TYPE OF RESTAURANT DO THE MAJORITY OF CUSTOMER ORDER FROM')
plt.show()
```



### TYPE OF RESTAURANT DO THE MAJORITY OF CUSTOMER ORDER FROM

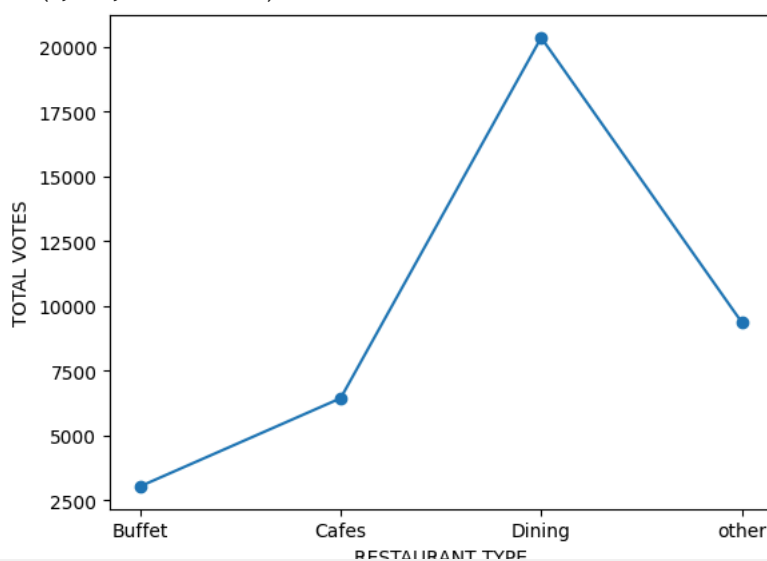


### Q2) Total Votes each restaurant has received

```
grouped_data = dataframe.groupby('listed_in(type)')['votes'].sum()
result = pd.DataFrame({'votes':grouped_data})
plt.plot(result, marker="o")
plt.xlabel('RESTAURANT TYPE', size=10)
plt.ylabel('TOTAL VOTES',size=10)
```



Text(0, 0.5, 'TOTAL VOTES')



### Q3) Ratings that majority of restaurant has received

```
dataframe.head()
```



|   | name                  | online_order | book_table | rate | votes | approx_cost(for two people) | listed_in(type) |
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| 1 | Spice Elephant        | Yes          | No         | 4.1  | 787   | 800                         | Buffet          |
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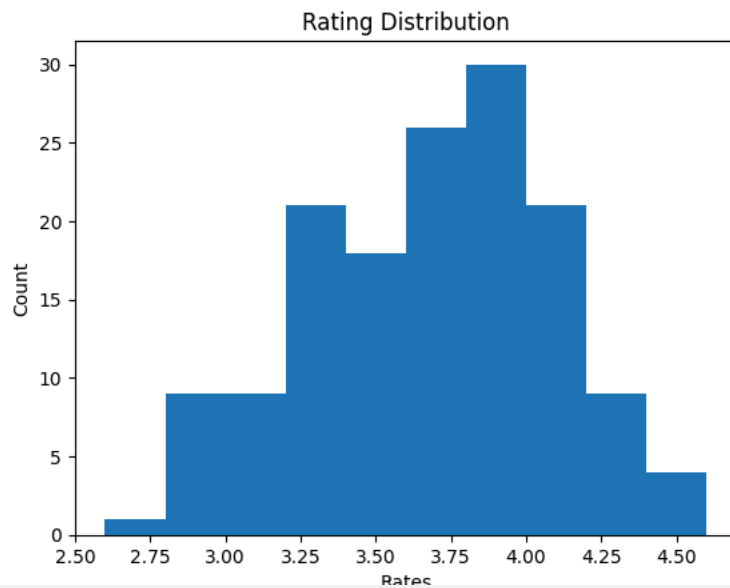
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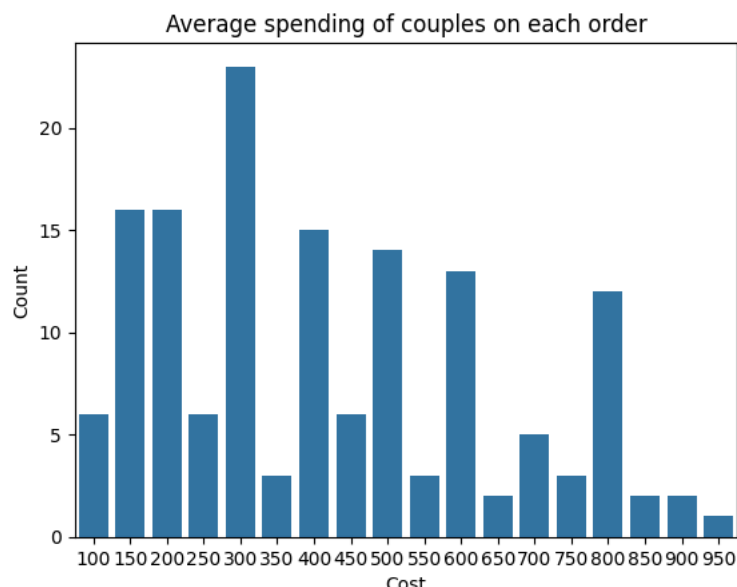
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```
plt.hist(x=dataFrame['rate'])
plt.xlabel('Rates')
plt.ylabel('Count')
plt.title('Rating Distribution')
plt.show()
```



#### Q4) Average spending of couples on each order

```
couples = dataFrame['approx_cost(for two people)']
sns.countplot(x=couples)
plt.xlabel('Cost')
plt.ylabel('Count')
plt.title('Average spending of couples on each order')
plt.show()
```



```
dataFrame.head()
```

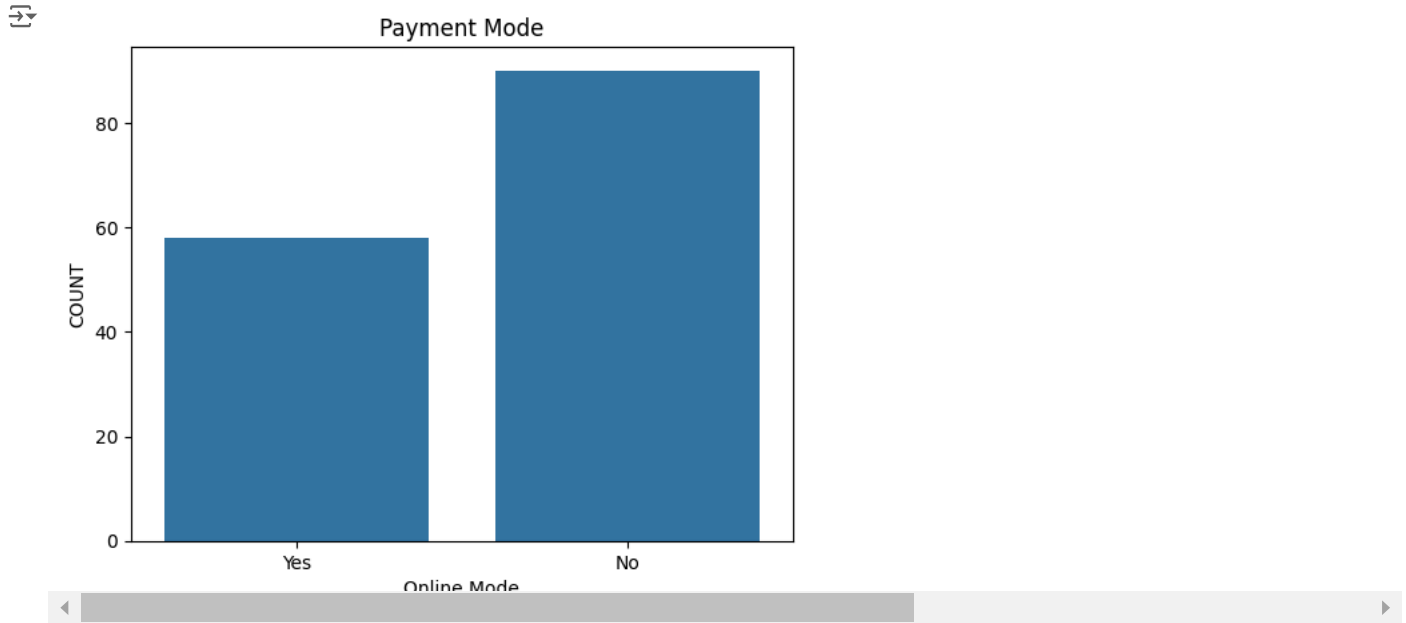


|   | name                  | online_order | book_table | rate | votes | approx_cost(for two people) | listed_in(type) |
|---|-----------------------|--------------|------------|------|-------|-----------------------------|-----------------|
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Next steps:

[Generate code with dataframe](#)[View recommended plots](#)[New interactive sheet](#)**Q5) Type of Payment Mode**

```
sns.countplot(x=dataFrame['online_order'])  
plt.xlabel('Online Mode')  
plt.ylabel('COUNT')  
plt.title('Payment Mode')  
plt.show()
```

Start coding or [generate](#) with AI.