Zomato Data Analysis Using Python

Zomato has an average of 17.5 million monthly transacting customers for its food delivery business. average monthly active food delivery restaurant partners on Zomato's platform have also increased by 8.7% year-on-year, from 208,000 to 226,000.You are working in a data-driven role at Zomato. You have a dataset of customers. As a data professional, you need to analyze the data, perform EDA (Exploratory Data Analysis) and visualization, and answer the following questions:

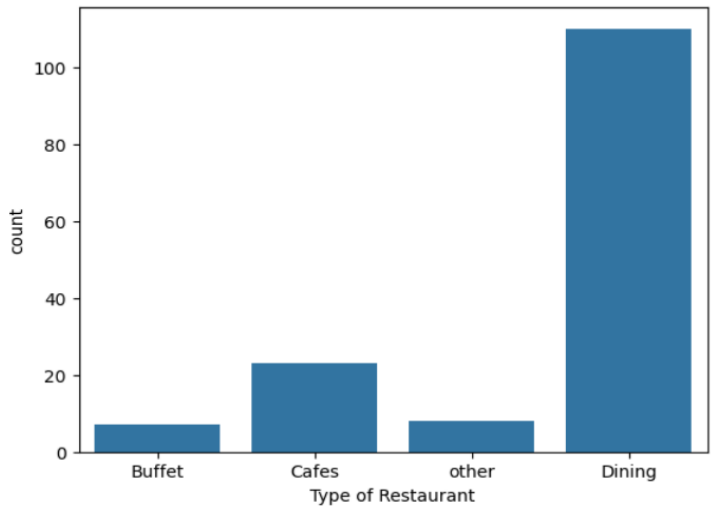
	name	online_order	book_table	rate	votes	approx_cost(for two people)	listed_in(type)
0	Jalsa	Yes	Yes	4.1/5	775	800	Buffet
1	Spice Elephant	Yes	No	4.1/5	787	800	Buffet
2	San Churro Cafe	Yes	No	3.8/5	918	800	Buffet
3	Addhuri Udupi Bhojana	No	No	3.7/5	88	300	Buffet
4	Grand Village	No	No	3.8/5	166	600	Buffet
...	...	...	...	...	...	...	...
143	Melting Melodies	No	No	3.3/5	0	100	Dining
144	New Indraprasta	No	No	3.3/5	0	150	Dining
145	Anna Kuteera	Yes	No	4.0/5	771	450	Dining
146	Darbar	No	No	3.0/5	98	800	Dining
147	Vijayalakshmi	Yes	No	3.9/5	47	200	Dining

148 rows × 7 columns

1) What type of restaurant do the majority of customers order from?

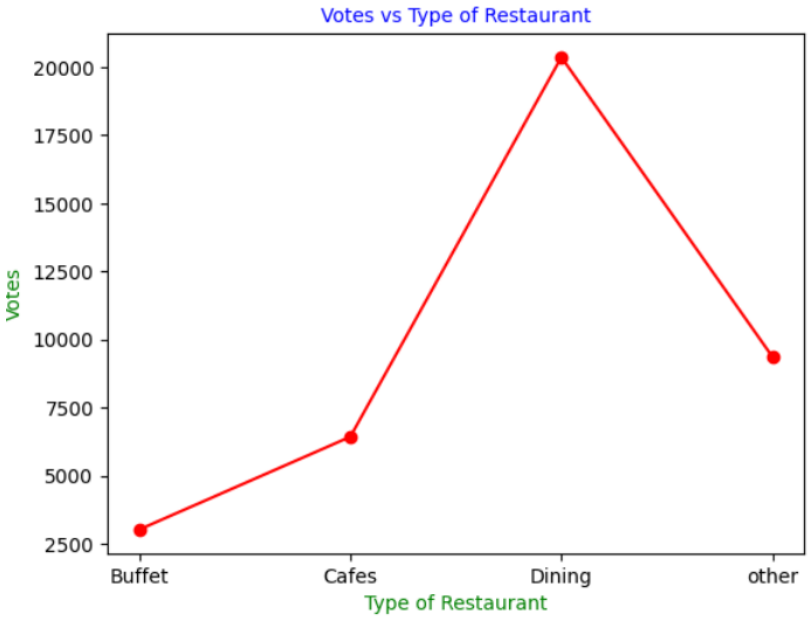
```
In [ ]: sns.countplot(x='listed_in(type)',data=dataframe)
        plt.xlabel("Type of Restaurant")
```

```
Out[ ]: Text(0.5, 0, 'Type of Restaurant')
```



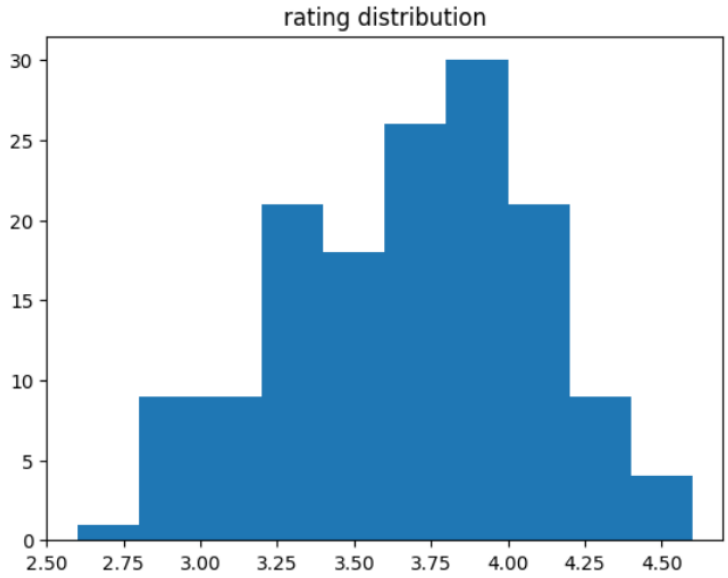
***conclusion- majority of the resturant falls in dininng ***

2) How many votes has each type of restaurant received from customers?



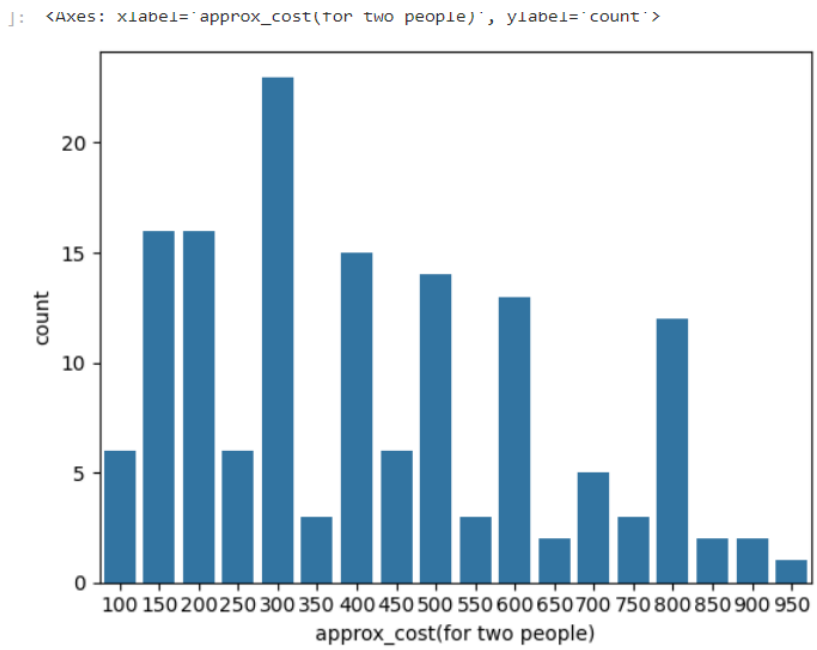
***conclusion- dinning resturants has recived maximum votes ***

3) What are the ratings that the majority of restaurants have received?



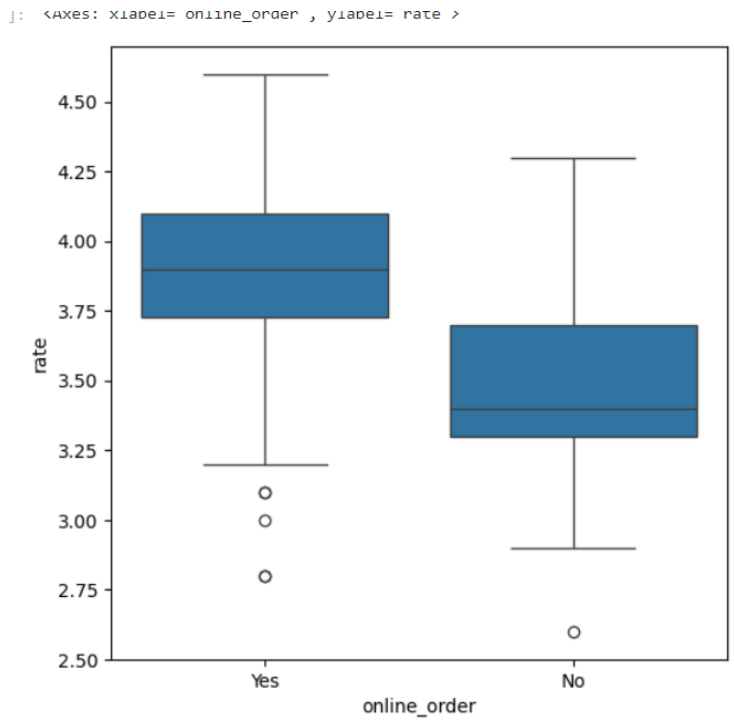
conclusion-the majority of resturants received ratings from 3.5 to 4

4)Zomato has observed that most couples order most of their food online. What is their average spending on each order?



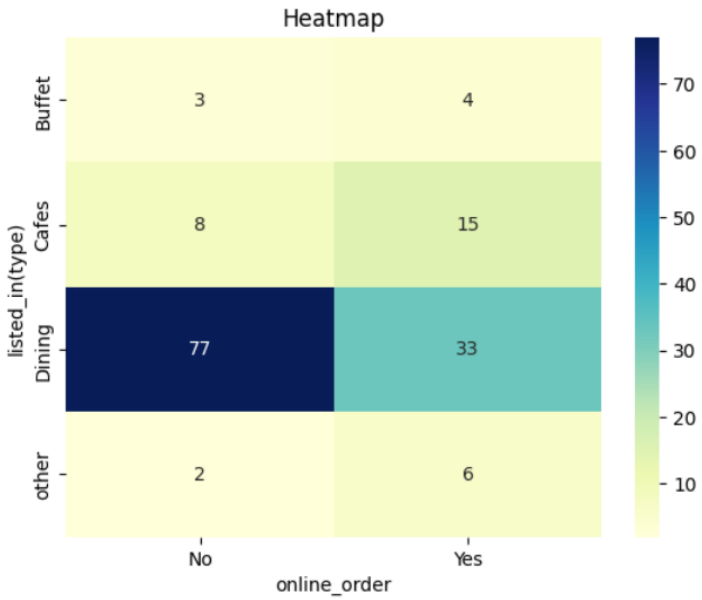
conclusion- the majority of couple preferr resturnats with an approximate cost of 300 rupess

5) Which mode (online or offline) has received the maximum rating?



conclusion - offline order received lower rating in comprison to online order

6) Which type of restaurant received more offline orders, so that Zomato can provide those customers with some good offers?



***concluion-dining resturant primarily accept offline orders,whereas cafes primarily received online orders.this suggests thst client prefers orders in person at rerturants ,but prefer online ordering at cafes. ***