



# Data Analysis Project Using Python



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# Introduction

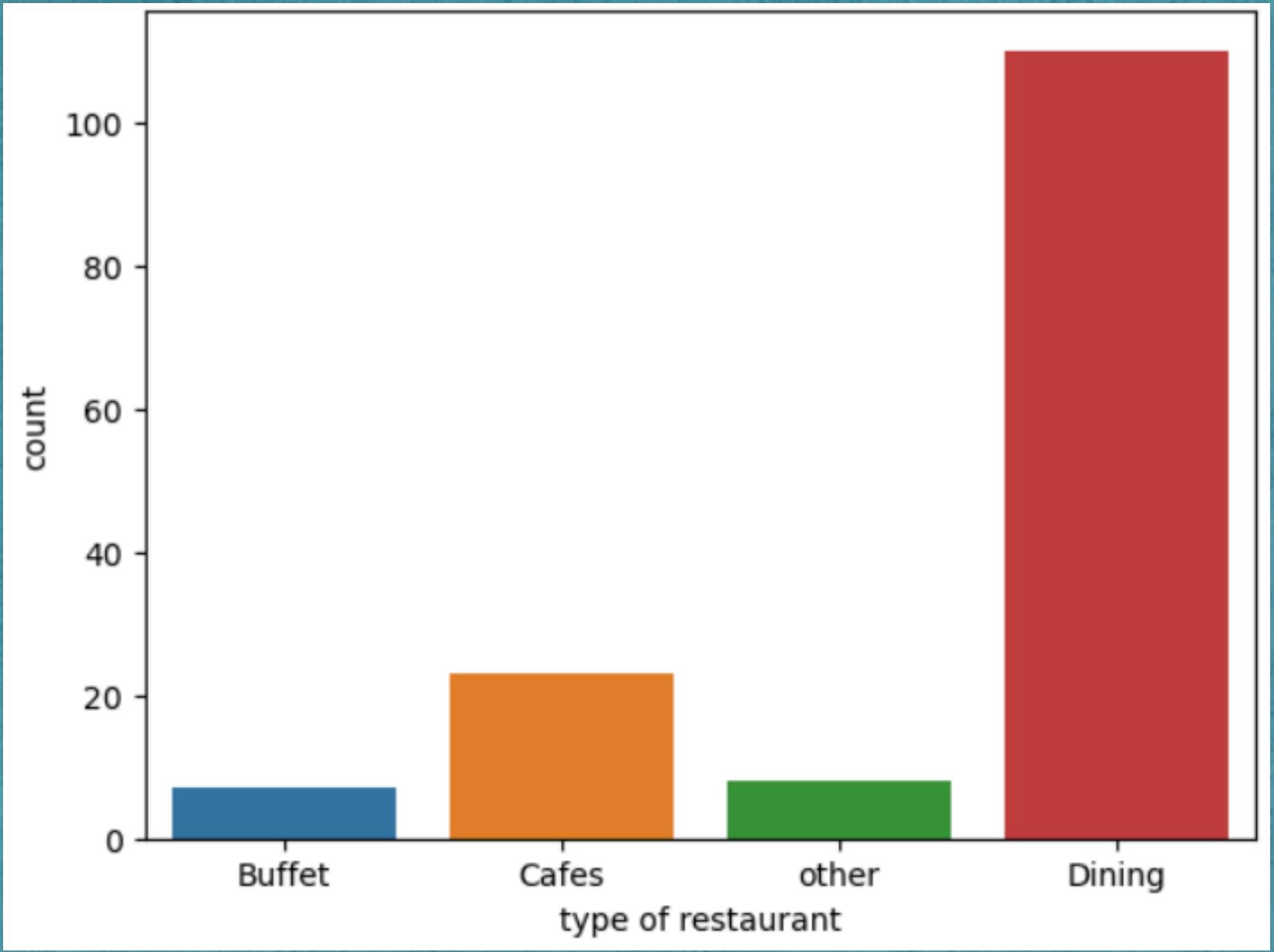
Zomato has an average of 17.5 million monthly transacting customers for its food delivery business. The average monthly active food delivery restaurant partners on Zomato's platform have also increased by 8.7% year-on-year, from 208,000 to 226,000. You are working in a data-driven role at Zomato. You 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:



# Dataset Overview

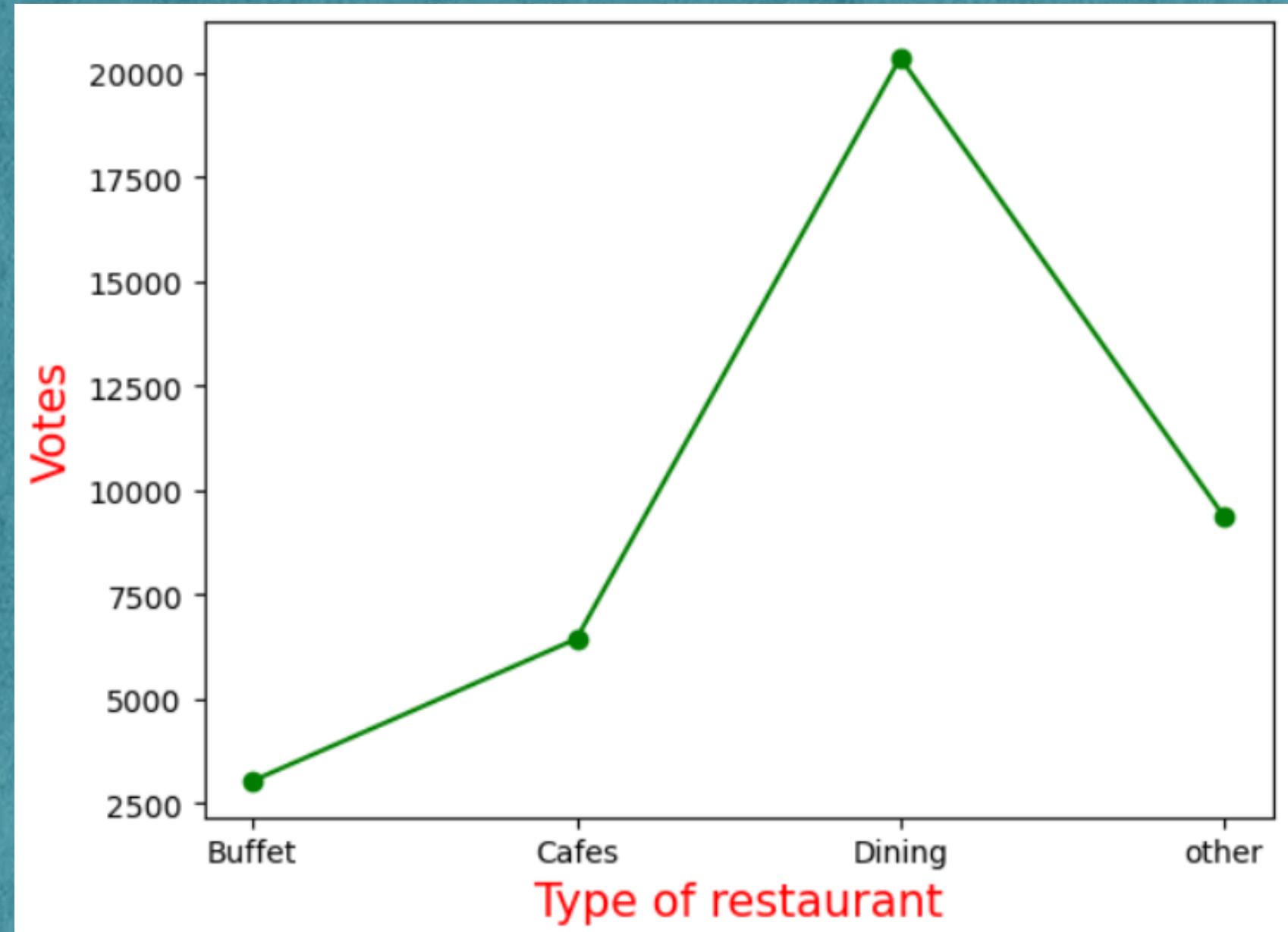
	name	online_order	book_table	rate	votes	approx_cost(for two people)	listed_in(type)
0	Jalsa	Yes	Yes	4.1/5	775	800	Buffet
1	Spice Elephant	Yes	No	4.1/5	787	800	Buffet
2	San Churro Cafe	Yes	No	3.8/5	918	800	Buffet
3	Addhuri Udupi Bhojana	No	No	3.7/5	88	300	Buffet
4	Grand Village	No	No	3.8/5	166	600	Buffet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

- 1) What type of restaurant do the majority of customers order from?
  - 2 How many votes has each type of restaurant received from customers?
  - 3) What are the ratings that the majority of restaurants have received?
- 4) Zomato has observed that most couples order most of their food online. What is their average spending on each order?
- 5) Which mode (online or offline) has received the maximum rating?
- 6) Which type of restaurant received more offline orders, so that Zomato can provide those customers with some good offers?

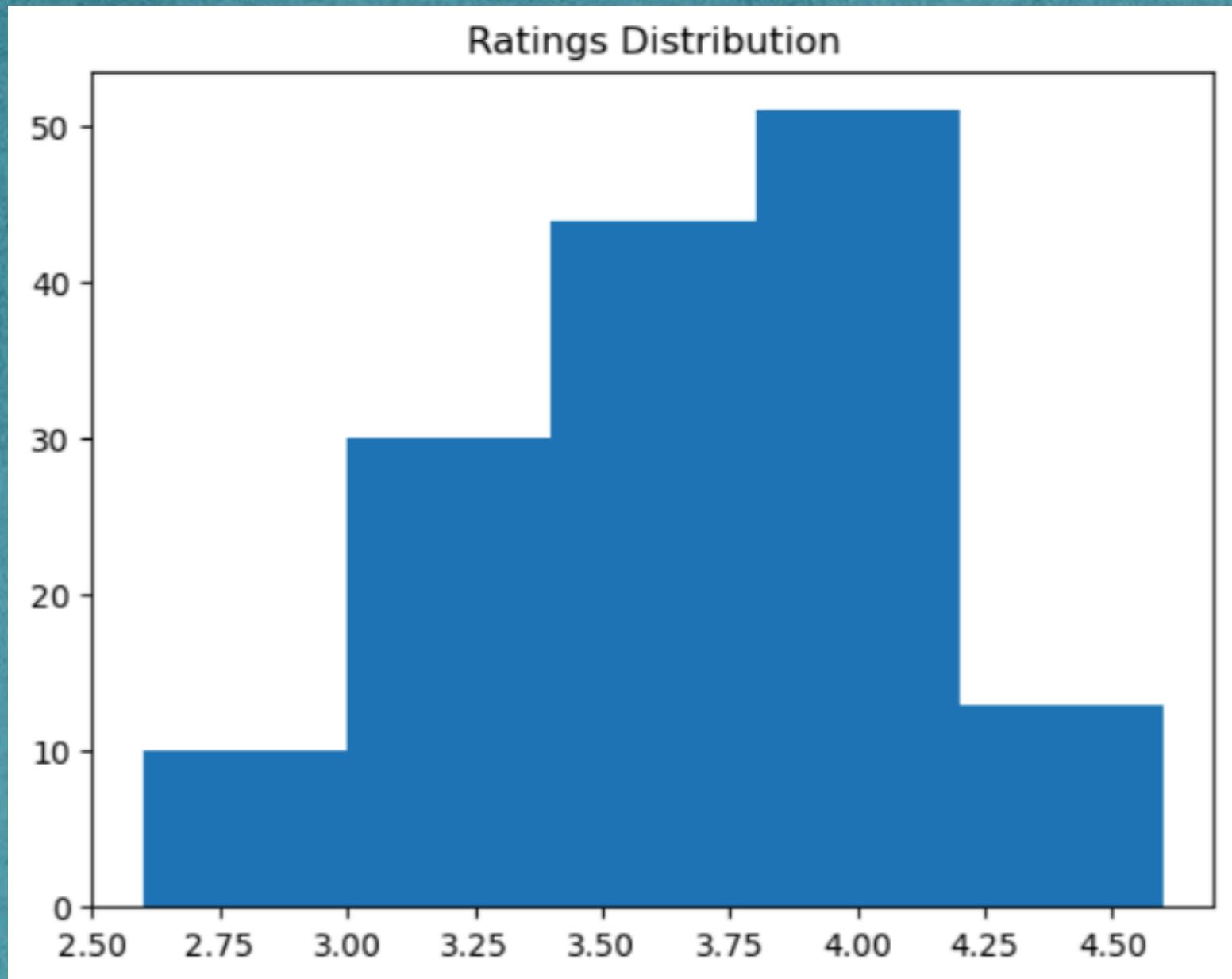


Conclusion : The majority of the restaurants fall into the dining category.

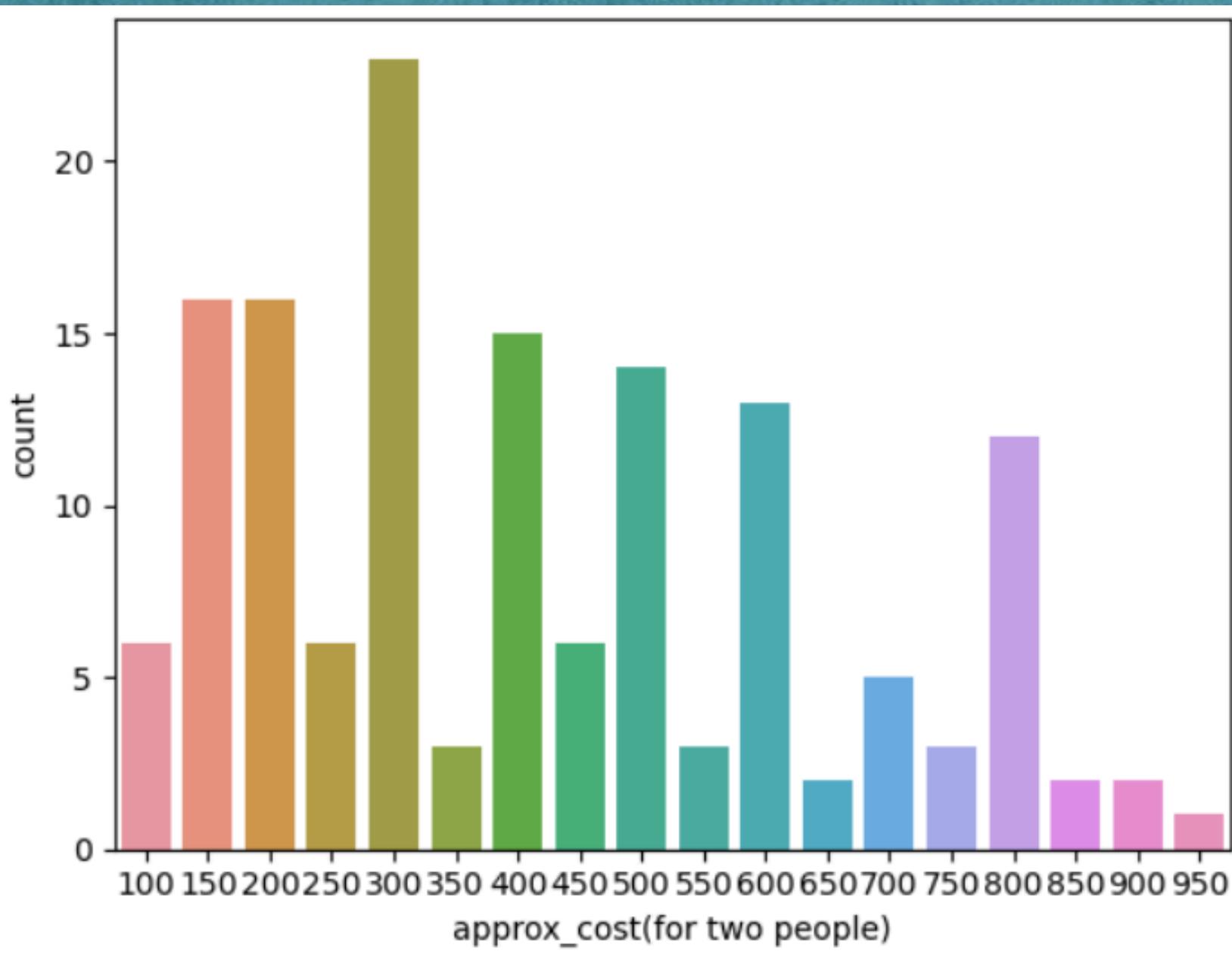
Dining restaurants are preferred by a larger number of individual.



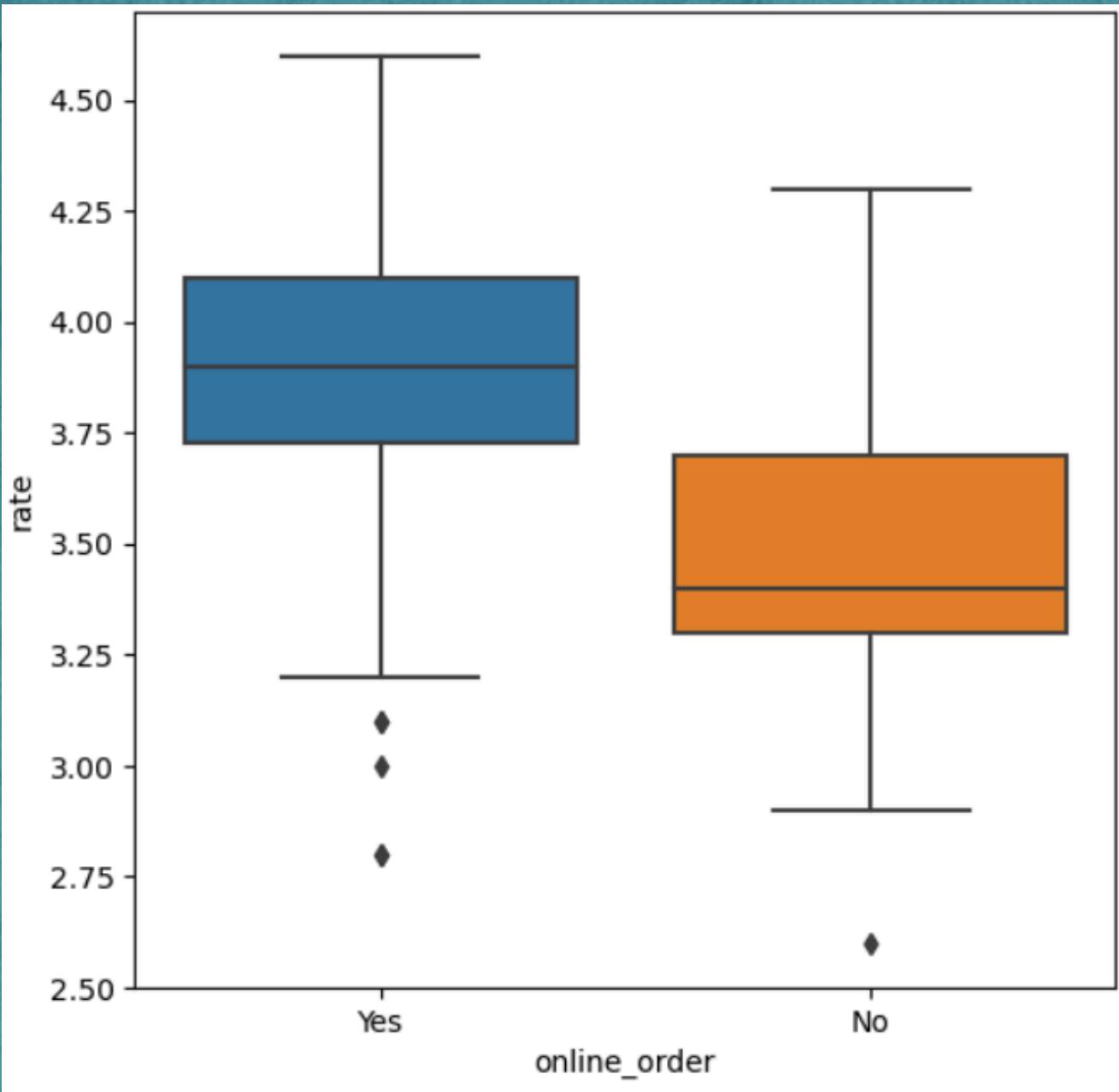
Conclusion - Dining restaurants has received maximum votes.



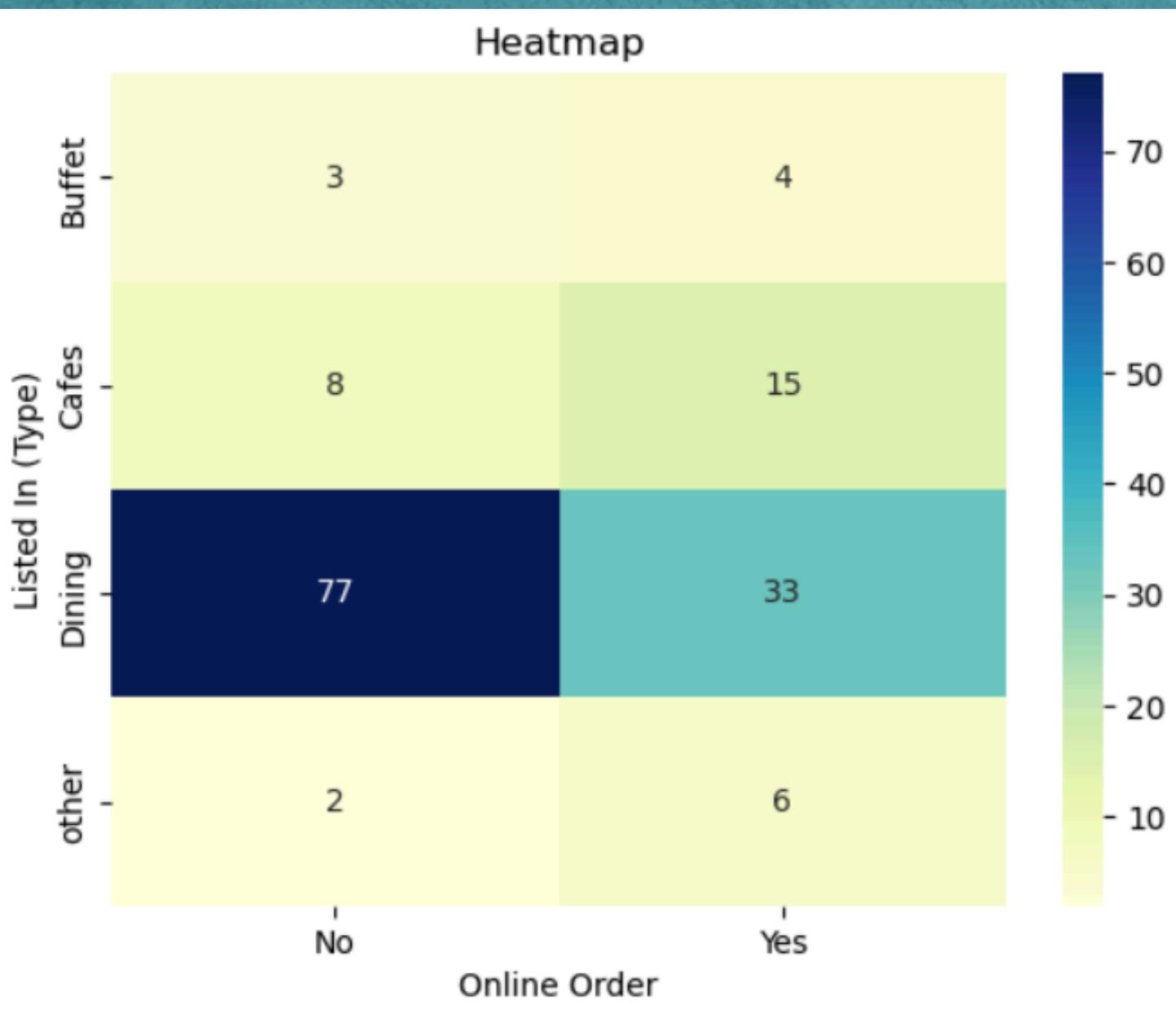
Conclusion - The majority of restaurants received ratings ranging from 3.5 to 4



The majority of couples prefer restaurants with an approximate cost of 300 rupees.



Conclusion - Offline orders received lower ratings in comparison to online orders, which obtained excellent ratings.



Conclusion - Dining restaurants primarily accept offline orders, whereas cafes primarily receive online orders. This suggests that clients prefer to place orders in person at restaurants, but prefer online ordering at cafes.