

```
In [1]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

In [2]: dataframe = pd.read_csv("Zomato data .csv")

In [4]: dataframe

Out[4]:
```

	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

```
In [5]: def handleRate(value):
value=str(value).split('/')
value=value[0];
return float(value)

dataframe['rate']=dataframe['rate'].apply(handleRate)
print(dataframe.head())
```

	name	online_order	book_table	rate	votes \
0	Jalsa	Yes	Yes	4.1	775
1	Spice Elephant	Yes	No	4.1	787
2	San Churro Cafe	Yes	No	3.8	918
3	Addhuri Udupi Bhojana	No	No	3.7	88
4	Grand Village	No	No	3.8	166

	approx_cost(for two people)	listed_in(type)
0	800	Buffet
1	800	Buffet
2	800	Buffet
3	300	Buffet
4	600	Buffet

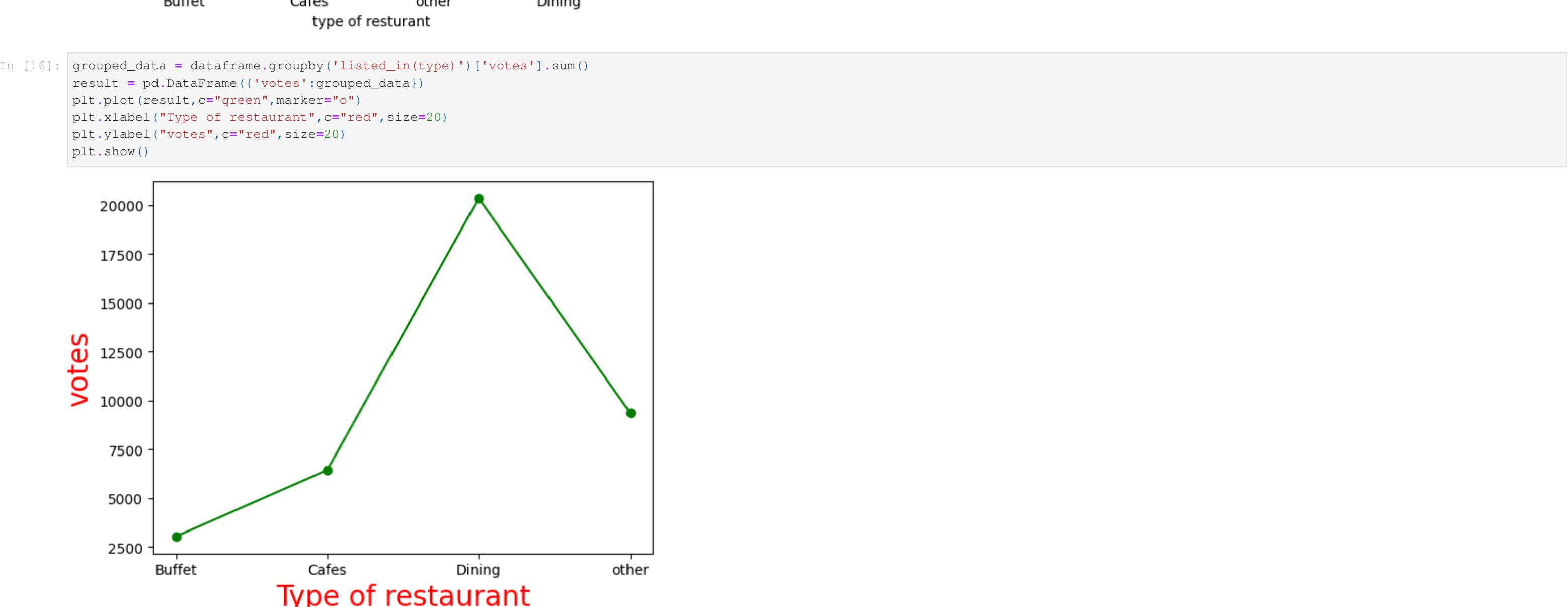
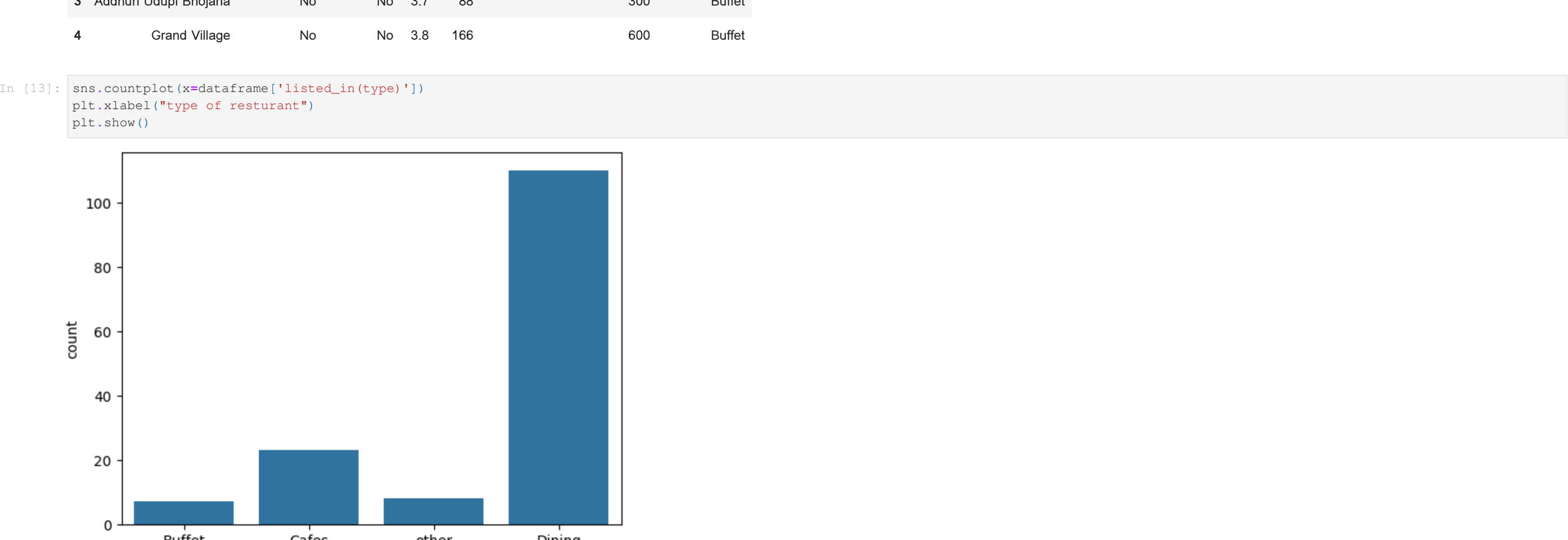
```
In [6]: dataframe.info()

<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

In [7]: dataframe.head()

Out[7]:
```

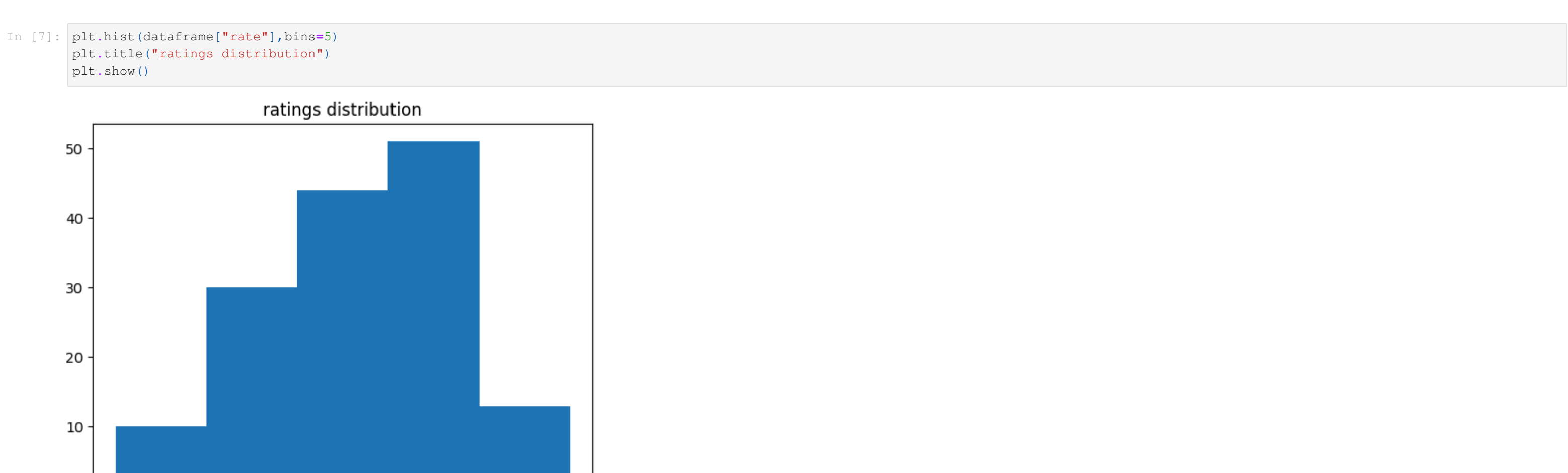
	name	online_order	book_table	rate	votes	approx_cost(for two people)	listed_in(type)
0	Jalsa	Yes	Yes	4.1	775	800	Buffet
1	Spice Elephant	Yes	No	4.1	787	800	Buffet
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4	Grand Village	No	No	3.8	166	600	Buffet



```
In [17]: dataframe.head()

Out[17]:
```

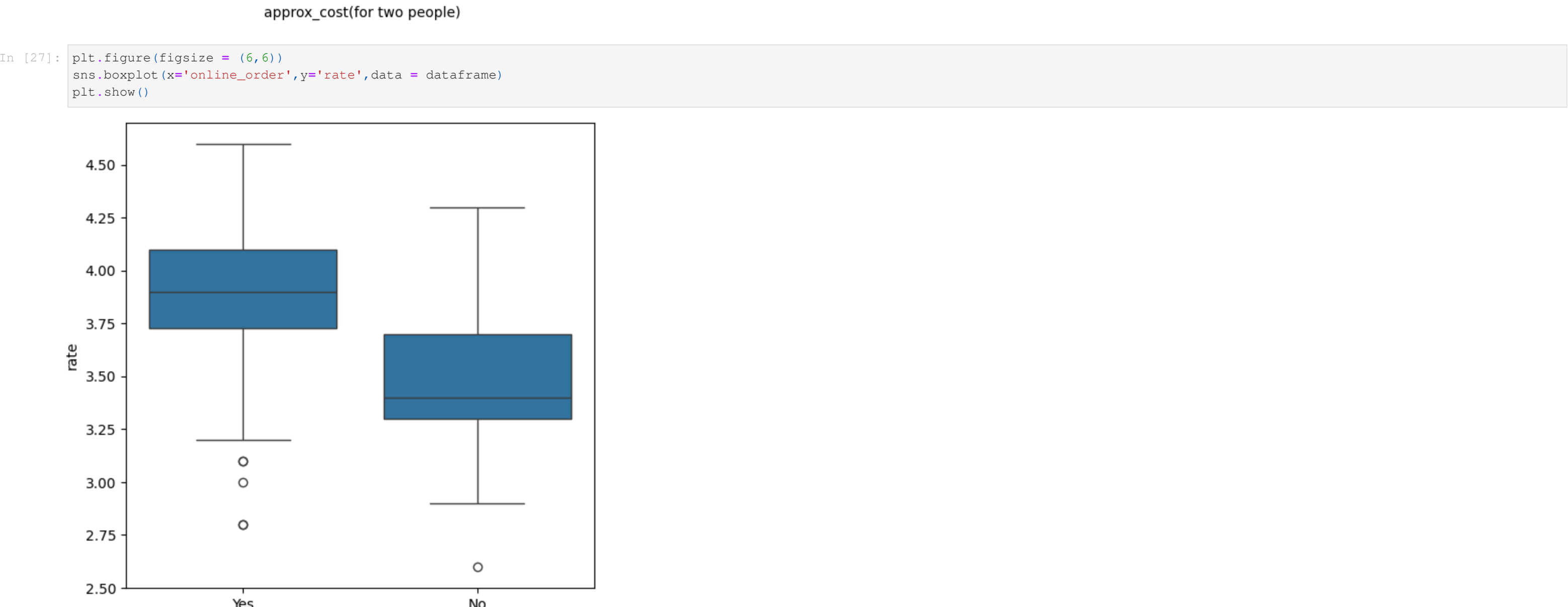
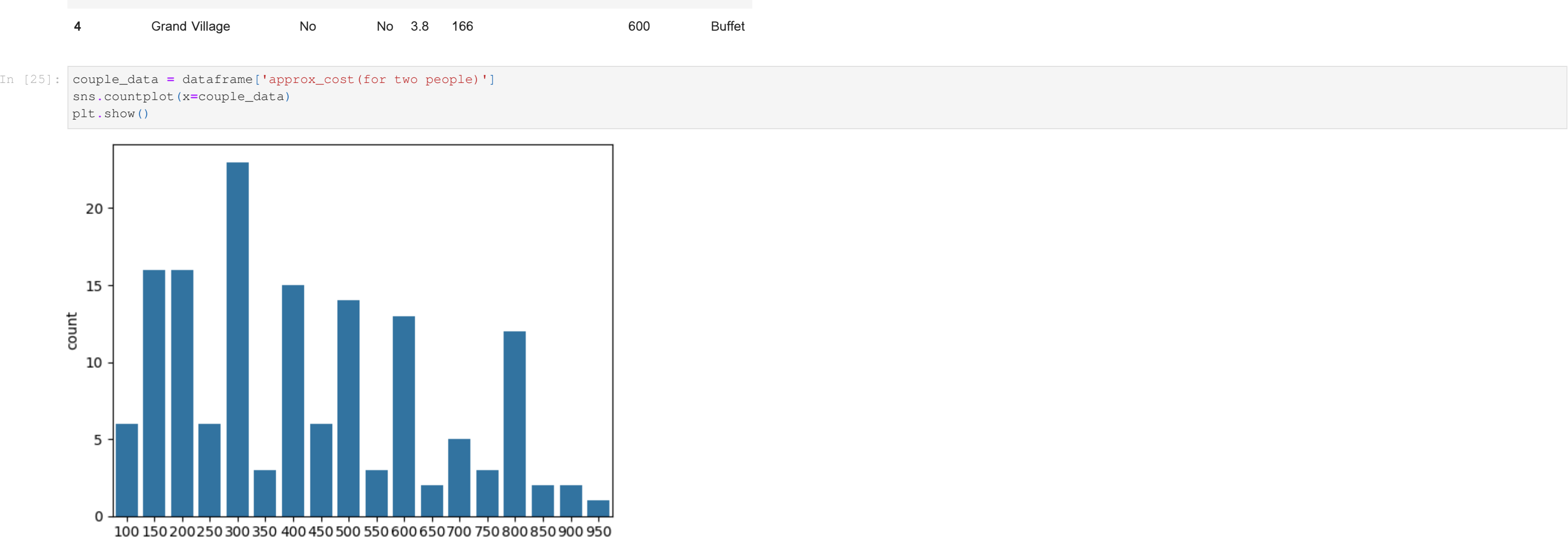
	name	online_order	book_table	rate	votes	approx_cost(for two people)	listed_in(type)
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```
In [23]: dataframe.head()

Out[23]:
```

	name	online_order	book_table	rate	votes	approx_cost(for two people)	listed_in(type)
0	Jalsa	Yes	Yes	4.1	775	800	Buffet
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2	San Churro Cafe	Yes	No	3.8	918	800	Buffet
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4	Grand Village	No	No	3.8	166	600	Buffet



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In [2]: dataframe = pd.read_csv("Zomato data .csv")

In [3]: dataframe

Out[3]:
```

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	approx_cost(for two people)	listed_in(type)
0	800	Buffet
1	800	Buffet
2	800	Buffet
3	300	Buffet
4	600	Buffet

```
In [5]: dataframe.head()

Out[5]:
```

	name	online_order	book_table	rate	votes	approx_cost(for two people)	listed_in(type)
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3	Addhuri Udupi Bhojana	No	No	3.7	88	300	Buffet
4	Grand Village	No	No	3.8	166	600	Buffet

```
In [11]: pivot_table = dataframe.pivot_table(index='listed_in(type)', columns='online_order', aggfunc='size', fill_value=0)
sns.heatmap(pivot_table, annot=True, cmap='YlGnBu')
plt.title("Heatmap")
plt.xlabel("online_order")
plt.ylabel("online_order")
plt.show()
```

