

```
In [1]: 1 import numpy as np
2 import pandas as pd
3 import matplotlib.pyplot as plt
4 import seaborn as sns
5 import plotly.express as px
6 import plotly.io as pio
7 pio.renderers.default = 'svg'
```

```
In [2]: 1 dataset= pd.read_csv('Zomato_Mumbai_Dataset.csv', delimiter='|')
2 dataset
```

Out[2]:

| | NAME | PRICE | CUSINE_CATEGORY | CITY | REGION | URL | PAGE NO | CUSINE TYPE | |
|-------|-------------------|-------|--|--------|--|---|---------|----------------|-------------|
| 0 | Hitchki | 1200 | Modern Indian,North Indian,Chinese,Momos,Biry... | Mumbai | First International Financial Centre--Bandra ... | https://www.zomato.com/mumbai/hitchki-bandra-k... | 1 | Casual Dining | 12noo |
| 1 | Baba Falooda | 400 | Desserts,Ice Cream,Beverages | Mumbai | Mahim | https://www.zomato.com/mumbai/baba-falooda-mah... | 1 | Dessert Parlor | 2 |
| 2 | Chin Chin Chu | 1800 | Asian,Chinese | Mumbai | Juhu | https://www.zomato.com/mumbai/chin-chin-chu-ju... | 1 | Casual Dining | 12n |
| 3 | Butterfly High | 1000 | Modern Indian | Mumbai | Bandra Kurla Complex | https://www.zomato.com/mumbai/butterfly-high-b... | 1 | Bar | 12noo |
| 4 | BKC DIVE | 1200 | North Indian,Chinese,Continental | Mumbai | Bandra Kurla Complex | https://www.zomato.com/mumbai/bkc-dive-bandra-... | 1 | Bar | 1130 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 15076 | Hari Om Snack Bar | 350 | Fast Food,South Indian,Chinese | Mumbai | Kandivali West | https://www.zomato.com/mumbai/hari-om-snack-ba... | 99 | Quick Bites | 11ar |
| 15077 | PitaBurg | 400 | Fast Food,Lebanese | Mumbai | Lower Parel | https://www.zomato.com/mumbai/pitaburg-lower-p... | 99 | none | 11pm(Mon,Tu |
| 15078 | Uncha Otlawala | 300 | Desserts,Ice Cream | Mumbai | Kandivali West | https://www.zomato.com/mumbai/uncha-otlawala-1... | 99 | Dessert Parlor | 9am |
| 15079 | Mandarin Panda | 400 | Desserts,Chinese,Thai | Mumbai | Malad West | https://www.zomato.com/mumbai/mandarin-panda-m... | 99 | none | 12n |
| 15080 | □ | NaN | NaN | NaN | NaN | NaN | NaN | NaN | |

15081 rows × 12 columns

Getting Basic Information about the Dataset

```
In [3]: 1 dataset.shape
```

Out[3]: (15081, 12)

```
In [4]: 1 dataset.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 15081 entries, 0 to 15080
Data columns (total 12 columns):
#   Column                Non-Null Count  Dtype
---  -
0   NAME                   15081 non-null  object
1   PRICE                  15080 non-null  object
2   CUSINE_CATEGORY        15079 non-null  object
3   CITY                    15080 non-null  object
4   REGION                  15080 non-null  object
5   URL                     15080 non-null  object
6   PAGE NO                 15080 non-null  object
7   CUSINE TYPE             15080 non-null  object
8   TIMING                  15015 non-null  object
9   RATING_TYPE             14070 non-null  object
10  RATING                  15080 non-null  object
11  VOTES                   15080 non-null  object
dtypes: object(12)
memory usage: 1.4+ MB
```

In [5]:

1

dataset.describe()

Out[5]:

| | NAME | PRICE | CUSINE_CATEGORY | CITY | REGION | URL | PAGE NO | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES |
|--------|-------|-------|-----------------|--------|--------|-------|---------|-------------|-----------------------|-------------|--------|-------|
| count | 15081 | 15080 | 15079 | 15080 | 15080 | 15080 | 15080 | 15080 | 15015 | 14070 | 15080 | 15080 |
| unique | 12720 | 67 | 3183 | 2 | 241 | 13823 | 944 | 23 | 2551 | 31 | 35 | 1124 |
| top | NAME | 400 | CUSINE_CATEGORY | Mumbai | REGION | URL | PAGE NO | Quick Bites | 11am to 11pm(Mon-Sun) | Average | - | - |
| freq | 942 | 2042 | 942 | 14138 | 942 | 942 | 942 | 5262 | 1192 | 5112 | 2360 | 2360 |

Dataset Cleaning

1. Removing the redundant rows of data
2. Removing the Null Records
3. Converting the DataTypes of numerical columns to numeric datatype
4. Working with 'Timing' column
5. Removing the restaurant records whose Rating or Votes is 0
6. Working on 'RATING_TYPE' Column
7. Working on 'REGION' Column
8. Removing Duplicate records

In [6]:

1

1. Removing the redundant rows of data

2

Checking redundant rows of data

3

wrong_data= dataset['PAGE NO']=='PAGE NO'

4

dataset[wrong_data]

5

6

Out[6]:

| | NAME | PRICE | CUSINE_CATEGORY | CITY | REGION | URL | PAGE NO | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES |
|-------|------|-------|-----------------|------|--------|-----|---------|-------------|--------|-------------|--------|-------|
| 15 | NAME | PRICE | CUSINE_CATEGORY | CITY | REGION | URL | PAGE NO | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES |
| 31 | NAME | PRICE | CUSINE_CATEGORY | CITY | REGION | URL | PAGE NO | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES |
| 47 | NAME | PRICE | CUSINE_CATEGORY | CITY | REGION | URL | PAGE NO | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES |
| 63 | NAME | PRICE | CUSINE_CATEGORY | CITY | REGION | URL | PAGE NO | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES |
| 79 | NAME | PRICE | CUSINE_CATEGORY | CITY | REGION | URL | PAGE NO | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 15000 | NAME | PRICE | CUSINE_CATEGORY | CITY | REGION | URL | PAGE NO | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES |
| 15016 | NAME | PRICE | CUSINE_CATEGORY | CITY | REGION | URL | PAGE NO | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES |
| 15032 | NAME | PRICE | CUSINE_CATEGORY | CITY | REGION | URL | PAGE NO | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES |
| 15048 | NAME | PRICE | CUSINE_CATEGORY | CITY | REGION | URL | PAGE NO | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES |
| 15064 | NAME | PRICE | CUSINE_CATEGORY | CITY | REGION | URL | PAGE NO | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES |

942 rows × 12 columns

In [7]:

1

Performing Negation of the wrong dataset and then storing the correct data back in the dataset DataFrame

2

This permamnently remove the wrong data from the original dataframe

3

dataset= dataset[~wrong_data]

4

```
In [8]: 1 # Dropping columns which are not required for further analysis
2
3 dataset.drop(['URL', 'PAGE NO', 'CITY'], axis =1, inplace =True)
4 dataset
```

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1438057742.py:3: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

Out[8]:

| | NAME | PRICE | CUSINE_CATEGORY | REGION | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES |
|-------|-------------------|-------|---|--|----------------|---|--------------|--------|-------|
| 0 | Hitchki | 1200 | Modern Indian,North Indian,Chinese,Momos,Birya... | First International Financial Centre--Bandra ... | Casual Dining | 12noon to 130am(Mon-Sun) | Excellent | 4.9 | 3529 |
| 1 | Baba Falooda | 400 | Desserts,Ice Cream,Beverages | Mahim | Dessert Parlor | 2pm to 1am(Mon-Sun) | Very Good | 4.4 | 1723 |
| 2 | Chin Chin Chu | 1800 | Asian,Chinese | Juhu | Casual Dining | 12noon to 1am(Mon-Sun) | Very Good | 4.2 | 337 |
| 3 | Butterfly High | 1000 | Modern Indian | Bandra Kurla Complex | Bar | 12noon to 130am(Mon-Sun) | Very Good | 4.3 | 1200 |
| 4 | BKC DIVE | 1200 | North Indian,Chinese,Continental | Bandra Kurla Complex | Bar | 1130am to 1am(Mon-Sun) | Vel'mi dobré | 4.4 | 5995 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 15076 | Hari Om Snack Bar | 350 | Fast Food,South Indian,Chinese | Kandivali West | Quick Bites | 11am to 230am(Mon-Sun) | Good | 3.7 | 64 |
| 15077 | PitaBurg | 400 | Fast Food,Lebanese | Lower Parel | none | 11am to 11pm(Mon,Tue,Wed,Thu,Sun),11am to ... | Average | 3.4 | 99 |
| 15078 | Uncha Otlawala | 300 | Desserts,Ice Cream | Kandivali West | Dessert Parlor | 9am to 1230AM(Mon-Sun) | Good | 3.5 | 29 |
| 15079 | Mandarin Panda | 400 | Desserts,Chinese,Thai | Malad West | none | 12noon to 330pm,7pm to 1am(Mon-Sun) | Good | 3.7 | 121 |
| 15080 | ☐ | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |

14139 rows × 9 columns

```
In [9]: 1 # 2. Removing the Null Records
2
3 #Checking for Null records
4
5 dataset.isnull().sum()
```

Out[9]: NAME 0
PRICE 1
CUSINE_CATEGORY 2
REGION 1
CUSINE TYPE 1
TIMING 66
RATING_TYPE 1011
RATING 1
VOTES 1
dtype: int64

```
In [10]: 1 # Checking for a null row
2
3 dataset[dataset['PRICE'].isnull()]
```

Out[10]:

| | NAME | PRICE | CUSINE_CATEGORY | REGION | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES |
|-------|------|-------|-----------------|--------|-------------|--------|-------------|--------|-------|
| 15080 | ☐ | NaN | NaN | NaN | NaN | NaN | NaN | NaN | NaN |

```
In [11]: 1 # Dropping the above row from the dataset
2
3 dataset= dataset.drop(labels=15080, axis=0)
4
5 # Replacing the other null records with NA
6
7 dataset.fillna('NA', inplace = True)
8
9 # Confirming all the null records are correct
10
11 dataset.isnull().sum()
```

Out[11]:

| | |
|-----------------|---|
| NAME | 0 |
| PRICE | 0 |
| CUSINE_CATEGORY | 0 |
| REGION | 0 |
| CUSINE TYPE | 0 |
| TIMING | 0 |
| RATING_TYPE | 0 |
| RATING | 0 |
| VOTES | 0 |

dtype: int64

```
In [12]: 1 # 3. Converting the DataTypes of numerical columns to numeric dataype
2
3
4 # Checking for text values in the numerical column before converting it to numeric datatype
5
6 dataset[( 'RATING')].value_counts()
```

Out[12]:

| | |
|---------|------|
| RATING | |
| - | 2360 |
| 3.5 | 1094 |
| 3.4 | 1036 |
| 3.6 | 960 |
| NEW | 953 |
| 3.3 | 926 |
| 3.7 | 917 |
| 3.2 | 801 |
| 3.8 | 782 |
| 3.1 | 734 |
| 3.0 | 622 |
| 3.9 | 596 |
| 2.9 | 409 |
| 4.0 | 408 |
| 2.8 | 309 |
| 4.1 | 298 |
| 4.2 | 199 |
| 2.7 | 170 |
| 4.3 | 148 |
| 4.4 | 99 |
| 2.6 | 77 |
| Opening | 57 |
| 4.5 | 46 |
| 2.5 | 39 |
| 4.6 | 32 |
| 2.4 | 26 |
| 4.7 | 13 |
| 2.3 | 10 |
| 2.1 | 5 |
| 2.2 | 4 |
| 4.8 | 4 |
| 4.9 | 2 |
| 1.8 | 1 |
| 2.0 | 1 |

Name: count, dtype: int64

```
In [13]: 1 # Replacing the text values with '0'
2
3 dataset['RATING'].replace(to_replace=['-', 'NEW', 'Opening'], value = '0', inplace= True)
```

```
In [14]: 1 #Checking for text values in the numerical column before converting it to numeric datatype
2
3 dataset['VOTES'].value_counts()
```

Out[14]: VOTES

| | |
|------|------|
| - | 2360 |
| NEW | 953 |
| 4 | 364 |
| 5 | 320 |
| 6 | 288 |
| ... | |
| 1029 | 1 |
| 7350 | 1 |
| 964 | 1 |
| 585 | 1 |
| 1249 | 1 |

Name: count, Length: 1123, dtype: int64

```
In [15]: 1 # Replacing the text values with '0'
2
3 dataset['VOTES'].replace(to_replace=['-', 'NEW', 'Opening'], value = '0', inplace= True)
```

```
In [16]: 1 # Changing Data Type of the numerical columns
2
3 dataset['PRICE']= dataset['PRICE'].astype('int64')
4 dataset['RATING']= dataset['RATING'].astype('float64')
5 dataset['VOTES']=dataset['VOTES'].astype('int64')
```

```
In [17]: 1 dataset.info()
```

<class 'pandas.core.frame.DataFrame'>
Index: 14138 entries, 0 to 15079
Data columns (total 9 columns):
Column Non-Null Count Dtype
--- -
0 NAME 14138 non-null object
1 PRICE 14138 non-null int64
2 CUSINE_CATEGORY 14138 non-null object
3 REGION 14138 non-null object
4 CUSINE TYPE 14138 non-null object
5 TIMING 14138 non-null object
6 RATING_TYPE 14138 non-null object
7 RATING 14138 non-null float64
8 VOTES 14138 non-null int64
dtypes: float64(1), int64(2), object(6)
memory usage: 1.1+ MB

```
In [18]: 1 # 4. Working with 'Timing' column
2
3
4 dataset['TIMING'].value_counts()
```

Out[18]: TIMING

| | |
|---|------|
| 11am to 11pm(Mon-Sun) | 1192 |
| 11am to 12midnight(Mon-Sun) | 632 |
| 12noon to 12midnight(Mon-Sun) | 467 |
| 11am to 1130pm(Mon-Sun) | 309 |
| 10am to 10pm(Mon-Sun) | 267 |
| ... | |
| 1130am to 4pm,630pm to 1230AM... | 1 |
| 12midnight to 5am,12noon to 12midnight(Mon-Sun) | 1 |
| 12midnight to 1230AM,12noon to 4pm,7pm to ... | 1 |
| 12noon to 330pm,630pm to 12midnight... | 1 |
| 8am to 11pm,12midnight to 115am(Mon-Sun) | 1 |

Name: count, Length: 2551, dtype: int64

```
In [19]: 1 # Splitting the column and storing it in temp_df dataframe
2
3 temp_dataset= dataset['TIMING'].str.split('(', n=1, expand= True)
4 temp_dataset
```

Out[19]:

| | 0 | 1 |
|-------|---|----------|
| 0 | 12noon to 130am | Mon-Sun) |
| 1 | 2pm to 1am | Mon-Sun) |
| 2 | 12noon to 1am | Mon-Sun) |
| 3 | 12noon to 130am | Mon-Sun) |
| 4 | 1130am to 1am | Mon-Sun) |
| ... | ... | ... |
| 15075 | 8am to 11pm,12midnight to 115am | Mon-Sun) |
| 15076 | 11am to 230am | Mon-Sun) |
| 15077 | 11am to 11pm Mon,Tue,Wed,Thu,Sun),11am to ... | |
| 15078 | 9am to 1230AM | Mon-Sun) |
| 15079 | 12noon to 330pm,7pm to 1am | Mon-Sun) |

14138 rows × 2 columns

```
In [20]: 1 # Assigning the columns back to the original dataframe
2
3 dataset['TIMING']= temp_dataset[0]
4 dataset['DAYS_OPEN']= temp_dataset[1]
5 dataset
```

Out[20]:

| | NAME | PRICE | CUSINE_CATEGORY | REGION | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES | DAYS |
|-------|-------------------|-------|---|--|----------------|---------------------------------|--------------|--------|-------|----------------------|
| 0 | Hitchki | 1200 | Modern Indian,North Indian,Chinese,Momos,Birya... | First International Financial Centre--Bandra ... | Casual Dining | 12noon to 130am | Excellent | 4.9 | 3529 | Mon-Sun) |
| 1 | Baba Falooda | 400 | Desserts,Ice Cream,Beverages | Mahim | Dessert Parlor | 2pm to 1am | Very Good | 4.4 | 1723 | Mon-Sun) |
| 2 | Chin Chin Chu | 1800 | Asian,Chinese | Juhu | Casual Dining | 12noon to 1am | Very Good | 4.2 | 337 | Mon-Sun) |
| 3 | Butterfly High | 1000 | Modern Indian | Bandra Kurla Complex | Bar | 12noon to 130am | Very Good | 4.3 | 1200 | Mon-Sun) |
| 4 | BKC DIVE | 1200 | North Indian,Chinese,Continental | Bandra Kurla Complex | Bar | 1130am to 1am | Vel'mi dobré | 4.4 | 5995 | Mon-Sun) |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 15075 | Tirupati Balaji | 500 | Chinese,Fast Food,North Indian | Oshiwara--Andheri West | Casual Dining | 8am to 11pm,12midnight to 115am | Good | 3.5 | 267 | Mon-Sun) |
| 15076 | Hari Om Snack Bar | 350 | Fast Food,South Indian,Chinese | Kandivali West | Quick Bites | 11am to 230am | Good | 3.7 | 64 | Mon-Sun) |
| 15077 | PitaBurg | 400 | Fast Food,Lebanese | Lower Parel | none | 11am to 11pm | Average | 3.4 | 99 | Mon,Tue,Wed,Thu,Sun) |
| 15078 | Uncha Otlawala | 300 | Desserts,Ice Cream | Kandivali West | Dessert Parlor | 9am to 1230AM | Good | 3.5 | 29 | Mon-Sun) |
| 15079 | Mandarin Panda | 400 | Desserts,Chinese,Thai | Malad West | none | 12noon to 330pm,7pm to 1am | Good | 3.7 | 121 | Mon-Sun) |

14138 rows × 10 columns

In [21]:

```
1 # Removing the bracket character from Days column
2
3 dataset['DAYS_OPEN']=dataset['DAYS_OPEN'].str.replace(r'\(|\)', '', regex=True)
4 dataset.head()
```

Out[21]:

| | NAME | PRICE | CUSINE_CATEGORY | REGION | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES | DAYS_OPEN |
|---|----------------|-------|---|--|----------------|-----------------|--------------|--------|-------|-----------|
| 0 | Hitchki | 1200 | Modern Indian,North Indian,Chinese,Momos,Birya... | First International Financial Centre--Bandra ... | Casual Dining | 12noon to 130am | Excellent | 4.9 | 3529 | Mon-Sun |
| 1 | Baba Falooda | 400 | Desserts,Ice Cream,Beverages | Mahim | Dessert Parlor | 2pm to 1am | Very Good | 4.4 | 1723 | Mon-Sun |
| 2 | Chin Chin Chu | 1800 | Asian,Chinese | Juhu | Casual Dining | 12noon to 1am | Very Good | 4.2 | 337 | Mon-Sun |
| 3 | Butterfly High | 1000 | Modern Indian | Bandra Kurla Complex | Bar | 12noon to 130am | Very Good | 4.3 | 1200 | Mon-Sun |
| 4 | BKC DIVE | 1200 | North Indian,Chinese,Continental | Bandra Kurla Complex | Bar | 1130am to 1am | Vel'mi dobré | 4.4 | 5995 | Mon-Sun |

In [22]:

```
1 # Checking for Null records in DAYS_OPEN column
2
3 dataset.isnull().sum()
```

Out[22]:

| | |
|-----------------|-------|
| NAME | 0 |
| PRICE | 0 |
| CUSINE_CATEGORY | 0 |
| REGION | 0 |
| CUSINE TYPE | 0 |
| TIMING | 0 |
| RATING_TYPE | 0 |
| RATING | 0 |
| VOTES | 0 |
| DAYS_OPEN | 160 |
| dtype: | int64 |

In [23]:

```
1 # Replacing the Null values with 'NA'
2
3 dataset.fillna('NA', inplace= True)
4
5 # Checking info of all the columns
6
7 dataset.info()
```

<class 'pandas.core.frame.DataFrame'>
Index: 14138 entries, 0 to 15079
Data columns (total 10 columns):
Column Non-Null Count Dtype
--- -
0 NAME 14138 non-null object
1 PRICE 14138 non-null int64
2 CUSINE_CATEGORY 14138 non-null object
3 REGION 14138 non-null object
4 CUSINE TYPE 14138 non-null object
5 TIMING 14138 non-null object
6 RATING_TYPE 14138 non-null object
7 RATING 14138 non-null float64
8 VOTES 14138 non-null int64
9 DAYS_OPEN 14138 non-null object
dtypes: float64(1), int64(2), object(7)
memory usage: 1.2+ MB

In [24]:

```
1 # 5.Removing the restaurant records whose Rating or Votes is 0
2
3 remove_data= (dataset['RATING']==0.0) | (dataset['VOTES']==0)
4 dataset[remove_data]
```

Out[24]:

| | NAME | PRICE | CUSINE_CATEGORY | REGION | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES | DAYS_OPEN |
|-------|-------------------------------|-------|---|----------------------------|----------------|----------------------------|-------------|--------|-------|------------------------------|
| 32 | Hotel Annapoorna Refreshments | 400 | Maharashtrian,Mughlai,Chinese | Ghansoli | Quick Bites | 1030am to 1230AM | Not rated | 0.0 | 0 | Mon-Sun |
| 34 | Biryani 9 | 600 | Biryani,North Indian | Near Andheri East Station | none | 11am to 3am | NA | 0.0 | 0 | Mon-Sun |
| 36 | D Fusion Flavours | 350 | Chinese | Goregaon East | none | 12noon to 330pm,7pm to 3am | NA | 0.0 | 0 | Mon-Sun |
| 39 | Nation Tadka | 400 | North Indian,South Indian,Chinese,Fast Food | Worli | none | 12noon to 1230AM | Not rated | 0.0 | 0 | Mon-Sun |
| 83 | Link Way Restaurant | 500 | North Indian,Chinese | Jogeshwari | Quick Bites | 12noon to 4pm,8pm to 1am | Not rated | 0.0 | 0 | Mon-Sun |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 14998 | Foodies House | 0 | Chinese | Goregaon East | none | 12noon to 4am | NA | 0.0 | 0 | Mon-Sun |
| 14999 | Khansama | 0 | Biryani | Lower Parel | none | 12noon to 3am | NA | 0.0 | 0 | Mon-Sun |
| 15010 | Earth Cafe @ Waterfield | 800 | Cafe,Healthy Food,Italian,Pizza,Beverages | Linking Road-- Bandra West | Café | 10am to 10pm | NA | 0.0 | 0 | Mon-Thu,10am to 11pmFri-Sun |
| 15023 | How About Some Cream | 200 | Beverages | Mumbai Central | Beverage Shop | 12noon to 3am | NA | 0.0 | 0 | Mon-Sun |
| 15046 | Food And Taste Theory | 800 | Continental,Italian | Phoenix Marketcity-- Kurla | Casual Dining | 9am to 12midnight | NA | 0.0 | 0 | Mon-Fri,9am to 1230AMSat-Sun |

3371 rows × 10 columns

In [25]:

```
1 #Performing Negation of the useless dataset and then storing the correct data back in the raw_df DataFr
2 #This permamnently remove the wrong data from the original dataframe
3
4 dataset=dataset[~remove_data]
```

In [26]:

```
1 # 6. Working on 'RATING_TYPE' Column
2
3 # Checking the unique values in the column
4
5 dataset["RATING_TYPE"].value_counts()
```

Out[26]:

| | |
|---------------------------|------|
| RATING_TYPE | |
| Average | 5111 |
| Good | 4330 |
| Very Good | 1137 |
| Excellent | 95 |
| Poor | 47 |
| Veľmi dobré | 6 |
| Skvělá volba | 4 |
| Dobrze | 4 |
| Bardzo dobrze | 3 |
| Ortalama | 2 |
| Bueno | 2 |
| İyi | 2 |
| Buono | 2 |
| Dobré | 2 |
| Bom | 2 |
| Priemer | 2 |
| Průměr | 2 |
| Muito Bom | 2 |
| Promedio | 2 |
| Muy Bueno | 1 |
| Sangat Baik | 1 |
| Média | 1 |
| Biasa | 1 |
| Skvělé | 1 |
| Baik | 1 |
| Çok iyi | 1 |
| Excelente | 1 |
| Velmi dobré | 1 |
| Media | 1 |
| Name: count, dtype: int64 | |


```
In [27]: 1 # Translating the texts into proper English text
2
3 dataset['RATING_TYPE'].replace(to_replace='Excelente', value = 'Excellent', inplace= True)
4 dataset['RATING_TYPE'].replace(to_replace=['Veľmi dobré', 'Bardzo dobrze', 'Muy Bueno', 'Veľmi dobré'], va
5 dataset['RATING_TYPE'].replace(to_replace=['Skvělá volba', 'Dobrze', 'Bueno', 'Buono', 'Dobré', 'Bom', 'Skvěl
6 dataset['RATING_TYPE'].replace(to_replace=['Priemer', 'Média', 'Çok iyi'] , value='Average', inplace=True
7 dataset['RATING_TYPE'].replace(to_replace=['Průměr', 'Promedio', 'Ortalama', 'Muito Bom', 'İyi'] , value='P
8 dataset['RATING_TYPE'].replace(to_replace=['Baik', 'Biasa', 'Media', 'Sangat Baik'] , value='Very Poor', i
```

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1437517308.py:3: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1437517308.py:4: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1437517308.py:5: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1437517308.py:6: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1437517308.py:7: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1437517308.py:8: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

```
In [28]: 1 # Checking all the values correctly mapped
2
3 dataset['RATING_TYPE'].value_counts()
```

Out[28]: RATING_TYPE
Average 5115
Good 4347
Very Good 1148
Excellent 96
Poor 57
Very Poor 4
Name: count, dtype: int64

In [29]:

```
1 # 7. Working on 'REGION' Column
2
3 dataset['REGION'].value_counts()
```

Out[29]:

| | |
|--|-----|
| REGION | |
| Mira Road | 405 |
| Malad West | 308 |
| Chembur | 277 |
| Kharghar | 268 |
| Borivali West | 264 |
| ... | |
| Hotel Emerald-- Juhu | 1 |
| Trident-- Bandra Kurla Complex | 1 |
| Sea Princess-- Juhu | 1 |
| Aureole Hotel-- Andheri East | 1 |
| Hotel Satkar Residency-- Majiwada | 1 |
| Name: count, Length: 237, dtype: int64 | |

In [30]:

```
1 # Removing the irrelevant text from the Region column
2
3 dataset['REGION']=dataset['REGION'].str.replace(' [a-zA-Z].+-- ', '', regex=True)
```

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/281350927.py:3: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

In [31]:

```
1 # Removing the West & East from the Region column
2
3 dataset['REGION']=dataset['REGION'].str.replace(' West| west| East| east', '', regex=True)
4 value_counts=dataset['REGION'].value_counts()
5 value_counts
```

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/912230691.py:3: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

Out[31]:

| | |
|--|-----|
| REGION | |
| Thane | 726 |
| Mira Road | 412 |
| Andheri | 409 |
| Malad | 378 |
| Kandivali | 377 |
| ... | |
| Flea Bazaar Café | 3 |
| Majiwada | 3 |
| Panvel | 2 |
| CBD Belapur | 1 |
| Girgaon Chowpatty | 1 |
| Name: count, Length: 101, dtype: int64 | |

for region, count in value_counts.items(): print(f'REGION: {region}, Count: {count}')

In [32]:

```
1 # Replacing Small regions with Known region name
2
3 dataset['REGION'] = dataset['REGION'].str.replace('4 Bungalows|7 Andheri|Azad Nagar|Near Andheri Statio
4 dataset['REGION'] = dataset['REGION'].str.replace('Bandra Kurla Complex','Bandra', regex=True)
5 dataset['REGION'] = dataset['REGION'].str.replace('CBD-Belapur','CBD Belapur', regex=True)
6 dataset['REGION'] = dataset['REGION'].str.replace('Girgaon Chowpatty','Chowpatty', regex=True)
7 dataset['REGION'] = dataset['REGION'].str.replace('Dadar Shivaji Park','Dadar', regex=True)
8 dataset['REGION'] = dataset['REGION'].str.replace('Flea Bazaar Café|Kamala Mills Compound','Lower Parel
9 dataset['REGION'] = dataset['REGION'].str.replace('Runwal Green','Mulund', regex=True)
10 dataset['REGION'] = dataset['REGION'].str.replace('Mumbai CST Area','Mumbai Central', regex=True)
11 dataset['REGION'] = dataset['REGION'].str.replace('Kopar Khairane|Seawoods|Turbhe|Ulwe','Navi Mumbai', r
12 dataset['REGION'] = dataset['REGION'].str.replace('New Panvel|Old Panvel','Panvel', regex=True)
13 dataset['REGION'] = dataset['REGION'].str.replace('Kamothe','Sion', regex=True)
14 dataset['REGION'] = dataset['REGION'].str.replace('Ghodbunder Road|Majiwada','Thane', regex=True)
```

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1199884452.py:3: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame.

Try using `.loc[row_indexer,col_indexer] = value` instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1199884452.py:4: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame.
Try using `.loc[row_indexer,col_indexer] = value` instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1199884452.py:5: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame.
Try using `.loc[row_indexer,col_indexer] = value` instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1199884452.py:6: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame.
Try using `.loc[row_indexer,col_indexer] = value` instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1199884452.py:7: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame.
Try using `.loc[row_indexer,col_indexer] = value` instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1199884452.py:8: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame.
Try using `.loc[row_indexer,col_indexer] = value` instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1199884452.py:9: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame.
Try using `.loc[row_indexer,col_indexer] = value` instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1199884452.py:10: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame.
Try using `.loc[row_indexer,col_indexer] = value` instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1199884452.py:11: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame.
Try using `.loc[row_indexer,col_indexer] = value` instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1199884452.py:12: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame.
Try using `.loc[row_indexer,col_indexer] = value` instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1199884452.py:13: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame.
Try using `.loc[row_indexer,col_indexer] = value` instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

/var/folders/07/ykgp85052b11h5kz22ghn8l40000gn/T/ipykernel_80995/1199884452.py:14: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame.
Try using `.loc[row_indexer,col_indexer] = value` instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

In [33]:

```
1 # 8. Removing Duplicate records
2
3 # Finding all the duplicate rows
4
5 dataset[dataset.duplicated()]
```

Out[33]:

| | NAME | PRICE | CUSINE_CATEGORY | REGION | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES | DAYS_OPEN |
|-------|-------------------------------|-------|--------------------------------------|-----------|----------------|-------------------------------|-------------|--------|-------|-----------|
| 4064 | Sai Sannidhi Restaurant & Bar | 1000 | North Indian,Konkan | Dahisar | Casual Dining | 11am to 12midnight | Good | 3.7 | 99 | Mon-Sun |
| 4068 | Konkan Katta | 400 | Seafood,Maharashtrian,Malwani | Mahakali | Quick Bites | 11am to 330pm,630pm to 1130pm | Good | 3.5 | 181 | Mon-Sun |
| 4082 | Usmaniya Hotel | 600 | Mughlai | Fort | Casual Dining | 1030am to 1130pm | Average | 3.2 | 8 | Mon-Sun |
| 4083 | Gina's Cakes | 450 | Bakery | Dombivali | none | 11am to 11pm | Good | 3.5 | 49 | Mon-Sun |
| 4084 | Konkanastha Lunch Home | 400 | Seafood,Malwani | Chakala | Casual Dining | 12noon to 3pm,730pm to 1030pm | Good | 3.5 | 44 | Mon-Sun |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 14200 | Mezbaan Family Restaurant | 350 | Chinese,Mughlai | Mumbra | Dhaba | 12noon to 1230AM | Average | 2.8 | 97 | Mon-Sun |
| 14204 | Jyoti Lunch Home | 650 | Chinese,North Indian,Seafood,Mughlai | Mulund | Casual Dining | 11am to 1230AM | Good | 3.5 | 49 | Mon-Sun |
| 14253 | On Toes | 900 | Italian,North Indian,Chinese | Malad | Casual Dining | 12noon to 3pm,7pm to 1230AM | Good | 3.6 | 76 | Mon-Sun |
| 14761 | Frosty Farm | 400 | Ice Cream,Desserts,Fast Food | Malad | Dessert Parlor | 1pm to 1215AM | Good | 3.6 | 120 | Mon-Sun |
| 14928 | Shree Manu Sagar | 300 | North Indian,Chinese,Indian | Ghansoli | Quick Bites | 1130am to 415pm,7pm to 1215AM | Average | 3.3 | 51 | Mon-Sun |

220 rows × 10 columns

In [34]:

```
1 # Dropping all the duplicate rows
2
3 dataset=dataset.drop_duplicates()
```

Copying the cleaned data into a new DataFrame

In [35]:

1

PP_Zomato_dataset=dataset.copy()

2

PP_Zomato_dataset

Out[35]:

| | NAME | PRICE | CUSINE_CATEGORY | REGION | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES | DAYS_OP |
|-------|-------------------|-------|---|-------------|----------------|---------------------------------|-------------|--------|-------|--------------------------------|
| 0 | Hitchki | 1200 | Modern Indian,North Indian,Chinese,Momos,Birya... | Bandra | Casual Dining | 12noon to 130am | Excellent | 4.9 | 3529 | Mon-Sat |
| 1 | Baba Falooda | 400 | Desserts,Ice Cream,Beverages | Mahim | Dessert Parlor | 2pm to 1am | Very Good | 4.4 | 1723 | Mon-Sat |
| 2 | Chin Chin Chu | 1800 | Asian,Chinese | Juhu | Casual Dining | 12noon to 1am | Very Good | 4.2 | 337 | Mon-Sat |
| 3 | Butterfly High | 1000 | Modern Indian | Bandra | Bar | 12noon to 130am | Very Good | 4.3 | 1200 | Mon-Sat |
| 4 | BKC DIVE | 1200 | North Indian,Chinese,Continental | Bandra | Bar | 1130am to 1am | Very Good | 4.4 | 5995 | Mon-Sat |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 15075 | Tirupati Balaji | 500 | Chinese,Fast Food,North Indian | Andheri | Casual Dining | 8am to 11pm,12midnight to 115am | Good | 3.5 | 267 | Mon-Sat |
| 15076 | Hari Om Snack Bar | 350 | Fast Food,South Indian,Chinese | Kandivali | Quick Bites | 11am to 230am | Good | 3.7 | 64 | Mon-Sat |
| 15077 | PitaBurg | 400 | Fast Food,Lebanese | Lower Parel | none | 11am to 11pm | Average | 3.4 | 99 | Mon,Tue,Wed,Thu,Sun,11 to 11pm |
| 15078 | Uncha Otlawala | 300 | Desserts,Ice Cream | Kandivali | Dessert Parlor | 9am to 1230AM | Good | 3.5 | 29 | Mon-Sat |
| 15079 | Mandarin Panda | 400 | Desserts,Chinese,Thai | Malad | none | 12noon to 330pm,7pm to 1am | Good | 3.7 | 121 | Mon-Sat |

10547 rows × 10 columns

Performing Exploratory Data Analysis

Q1) How many restaurants are in Mumbai for each type of cuisine?

In [36]:

1

#pip install -U kaleido

In [37]:

1

counts = PP_Zomato_dataset['CUSINE TYPE'].value_counts()

2

counts

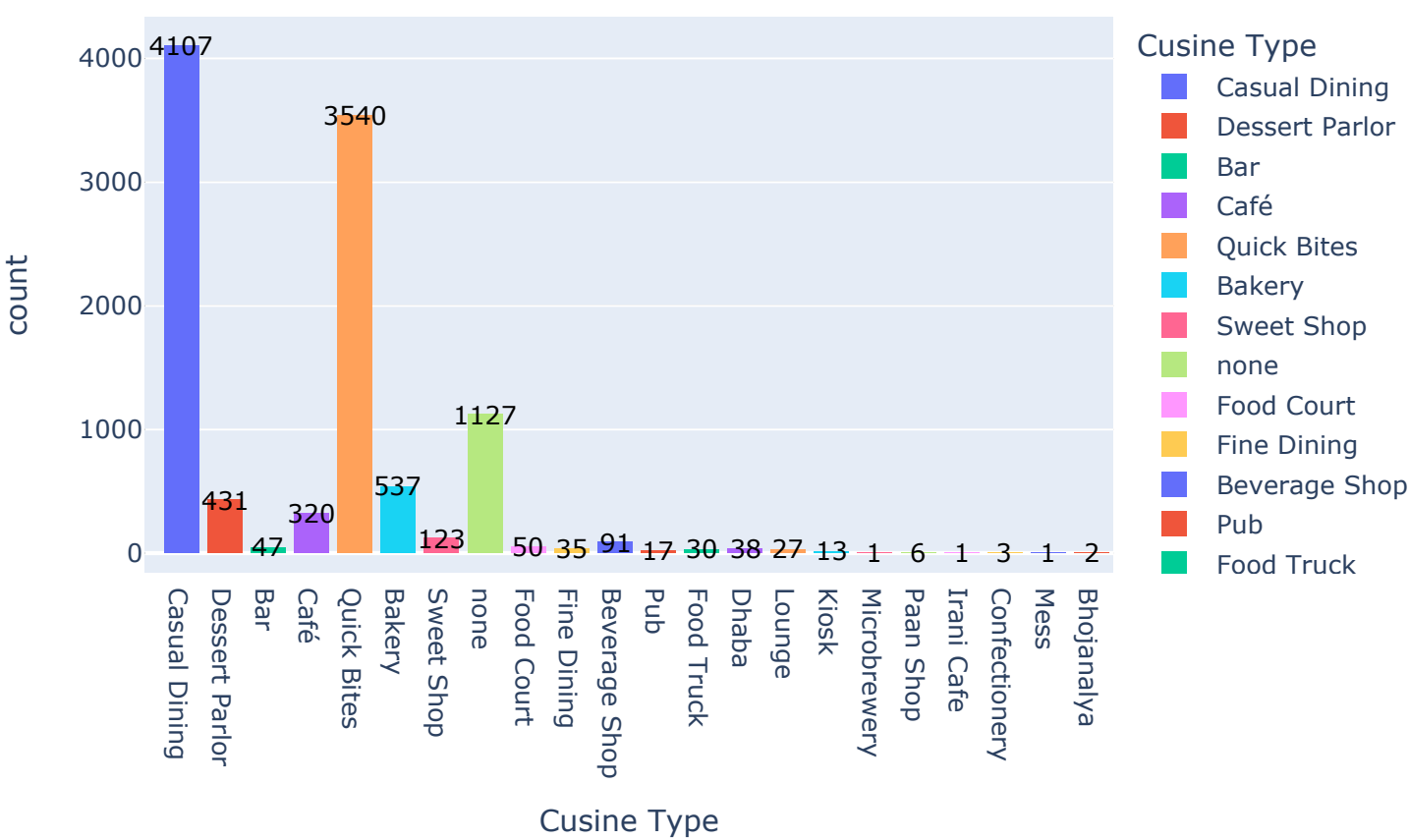
Out[37]:

| | |
|---------------------------|------|
| CUSINE TYPE | |
| Casual Dining | 4107 |
| Quick Bites | 3540 |
| none | 1127 |
| Bakery | 537 |
| Dessert Parlor | 431 |
| Café | 320 |
| Sweet Shop | 123 |
| Beverage Shop | 91 |
| Food Court | 50 |
| Bar | 47 |
| Dhaba | 38 |
| Fine Dining | 35 |
| Food Truck | 30 |
| Lounge | 27 |
| Pub | 17 |
| Kiosk | 13 |
| Paan Shop | 6 |
| Confectionery | 3 |
| Bhojanalya | 2 |
| Microbrewery | 1 |
| Irani Cafe | 1 |
| Mess | 1 |
| Name: count, dtype: int64 | |

In [38]:

```
1 fig= px.histogram(PP_Zomato_dataset, x='CUSINE TYPE', color='CUSINE TYPE',
2                   title= 'No. of Restaurants by Cusine Type',
3                   labels={'CUSINE TYPE': 'Cusine Type'})
4
5 for cuisine_type, count in counts.items():
6     fig.add_annotation(
7         text=str(count),
8         x=cuisine_type,
9         y=count,
10        showarrow=False,
11        font=dict(color='black'),)
12
13 fig.show()
```

No. of Restaurants by Cusine Type



Q2) What is the percentage of restaurants by Rating Type in Mumbai?

In [39]:

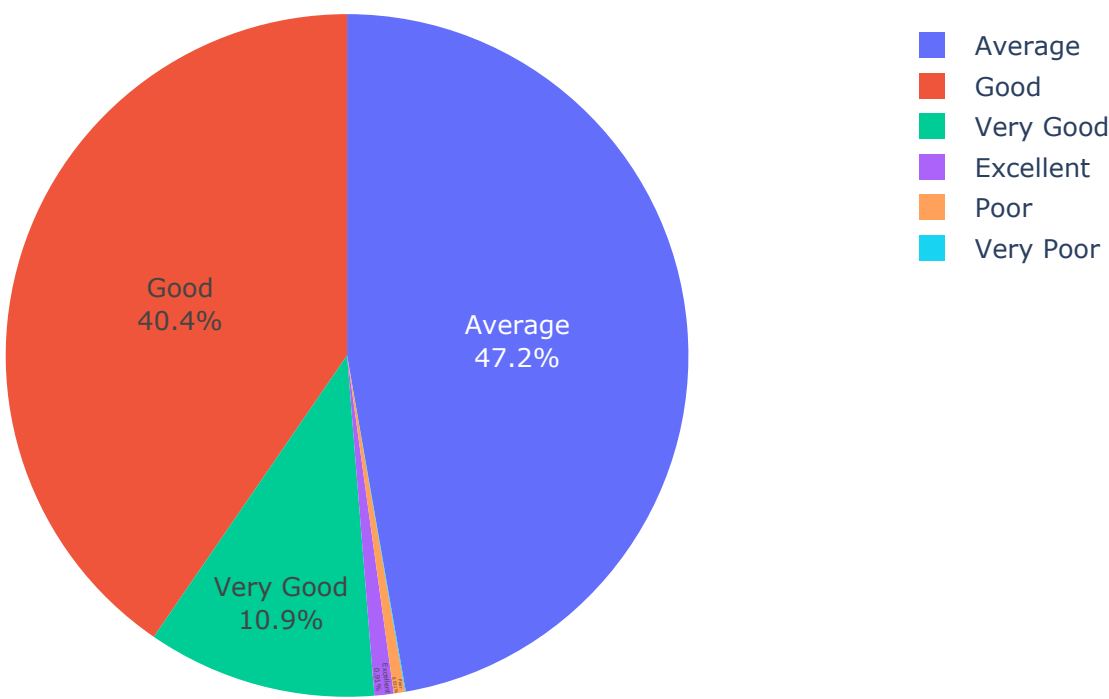
```
1 rating_type = PP_Zomato_dataset['RATING_TYPE'].value_counts().reset_index()
2 rating_type.columns = ['RATING_TYPE', 'COUNT OF RESTAURANTS']
3 rating_type['PERCENTAGE'] = (rating_type['COUNT OF RESTAURANTS'] / rating_type['COUNT OF RESTAURANTS'].
4 rating_type
5
```

Out [39]:

| | RATING_TYPE | COUNT OF RESTAURANTS | PERCENTAGE |
|---|-------------|----------------------|------------|
| 0 | Average | 4983 | 47.245662 |
| 1 | Good | 4263 | 40.419077 |
| 2 | Very Good | 1145 | 10.856168 |
| 3 | Excellent | 96 | 0.910211 |
| 4 | Poor | 56 | 0.530957 |
| 5 | Very Poor | 4 | 0.037925 |

```
In [40]: 1 fig=px.pie(rating_type, names = 'RATING_TYPE', values = 'COUNT OF RESTAURANTS', color = 'RATING_TYPE',
2           title= 'Percentage of Restaurants by Rating Types').update_traces(textposition='inside',texti
3           fig.show()
```

Percentage of Restaurants by Rating Types



Q3) Which are the Top 10 highest rated Seafood Restaurant in Mumbai?

```
In [41]: 1 seafood_restaurant= PP_Zomato_dataset[ PP_Zomato_dataset['CUSINE_CATEGORY'].str.contains('Seafood')]
2         seafood_restaurant.sort_values(by='RATING',ascending=False).head(10)
```

Out[41]:

| | NAME | PRICE | CUSINE_CATEGORY | REGION | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES | DAYS_O |
|-------|---|-------|---|----------|----------------|---------------------------------|-------------|--------|-------|--------|
| 7104 | Thangabali | 1000 | Seafood,South Indian,Mangalorean,Andhra,Kerala | Khar | Bar | 12noon to 4pm,7pm to 3am | Excellent | 4.7 | 564 | Mon- |
| 76 | Ceremonial Kitchen & Co | 1000 | Seafood,Maharashtrian,North Indian,Chinese | Thane | Casual Dining | 1130am to 1130pm | Excellent | 4.6 | 350 | Mon- |
| 13685 | Maharashtra Lunch Home | 600 | Maharashtrian,Malwani,Konkan,Seafood | Kharghar | Casual Dining | 11am to 345pm,7pm to 1145pm | Excellent | 4.6 | 209 | Mon- |
| 12433 | Quarter Canteen | 1100 | North Indian,Seafood,Chinese | Bandra | Casual Dining | 12noon to 330pm,7pm to 1am | Excellent | 4.5 | 573 | Mon- |
| 902 | The Harbour Bay - SeaFood Kitchen & Bar | 2400 | Seafood,Beverages | Bandra | Casual Dining | 12noon to 1am | Excellent | 4.5 | 100 | Mon- |
| 884 | Rajmanya-Seafood family restaurant | 800 | Maharashtrian,Konkan,Seafood | Vashi | Casual Dining | 11am to 11pm | Excellent | 4.5 | 178 | Mon- |
| 3380 | Peco Peco | 700 | Chinese,Seafood,Asian | Powai | none | 12noon to 330pm,7pm to 1230AM | Excellent | 4.5 | 497 | Mon- |
| 9954 | Pi Bar and Kitchen | 1600 | Continental,European,Italian,Seafood,Pizza,Des... | Andheri | Bar | 12noon to 6pm,7pm to 12midnight | Excellent | 4.5 | 2068 | Mon- |
| 903 | Ferry Wharf | 1500 | Seafood,Mangalorean | Bandra | Casual Dining | 11am to 330pm,7pm to 1230AM | Very Good | 4.4 | 459 | Mon- |
| 915 | Monis Bar and Restaurant | 1000 | Indian,Chinese,Continental,Seafood,Bever... | Thane | Casual Dining | 1130am to 330pm,6pm to 1130pm | Very Good | 4.4 | 662 | Mon- |

Q4) Which are the best Food Truck in Mumbai?

In [42]:

```
1 best_foodtruck=PP_Zomato_dataset[PP_Zomato_dataset['Cuisine Type']=='Food Truck']
2 best_foodtruck.sort_values(by='Rating', ascending = False).head(3)
```

Out[42]:

| | NAME | PRICE | Cuisine_Category | REGION | Cuisine Type | TIMING | RATING_Type | RATING | VOTES | DAYS_OPEN |
|------|-------------------|-------|-------------------|---------|--------------|----------------|-------------|--------|-------|-----------------------|
| 262 | Dumpling Delights | 200 | Momos | Matunga | Food Truck | 430pm to 930pm | Very Good | 4.3 | 212 | Mon-Sun |
| 1017 | Street Food Co. | 250 | Fast Food,Chinese | Virar | Food Truck | 6pm to 3am | Very Good | 4.1 | 274 | Mon-Sun |
| 7922 | Honeys Delights | 100 | Fast Food,Burger | Malad | Food Truck | Closed | Good | 3.9 | 66 | Mon,4am to 7amTue-Sun |

Q5) Which places have the highest rated restaurant for each Cuisine Type in Mumbai?

In [43]:

```
1 high_rated_restaurants = PP_Zomato_dataset[PP_Zomato_dataset['Rating'] >= 4.5]
2
3 # Retrieve the place of the highest-rated restaurants
4
5 table =high_rated_restaurants[['Name','Region', 'Cuisine Type', 'Rating']]
6 table
7
```

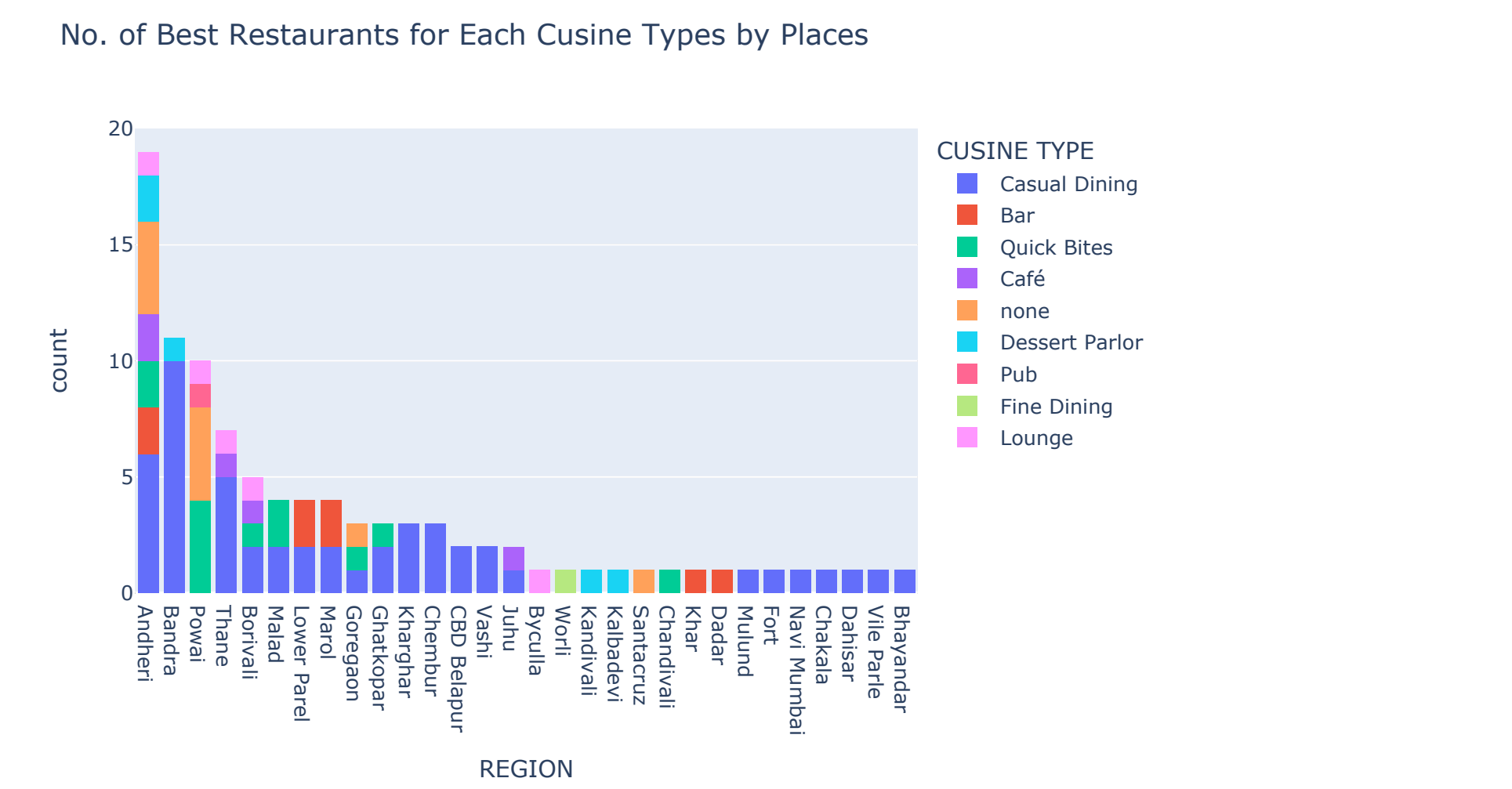
Out[43]:

| | NAME | REGION | Cuisine Type | RATING |
|-------|----------------------------|-------------|----------------|--------|
| 0 | Hitchki | Bandra | Casual Dining | 4.9 |
| 6 | Persian Darbar | Marol | Casual Dining | 4.5 |
| 7 | Tanatan | Juhu | Casual Dining | 4.7 |
| 9 | Plum by Bent Chair | Lower Parel | Casual Dining | 4.7 |
| 10 | Angrezi Dhaba | Dadar | Bar | 4.5 |
| ... | ... | ... | ... | ... |
| 14228 | Zaika Crave - Club Aquaria | Borivali | Casual Dining | 4.5 |
| 14234 | Cone Culture | Kharghar | Casual Dining | 4.6 |
| 15007 | Dessertino | Kandivali | Dessert Parlor | 4.8 |
| 15051 | Tick-eat | Mulund | Casual Dining | 4.5 |
| 15056 | Daftar Goregaon | Goregaon | Casual Dining | 4.6 |

97 rows × 4 columns

In [44]:

```
1 fig=px.histogram(high_rated_restaurants,x='Region',color='Cuisine Type',
2                  title= 'No. of Best Restaurants for Each Cuisine Types by Places').update_xaxes(category
3 fig.show())
```



Q6) What is the Avg Price Distribution of highest rated restaurant for each Cuisine Type in Mumbai?

In [45]:

```
1 avrg_price=high_rated_restaurants.groupby(by=['REGION','CUSINE TYPE'])['PRICE'].mean().reset_index()
2 avrg_price.columns = ['REGION','CUSINE TYPE','MEAN PRICE']
3 avrg_price.head()
```

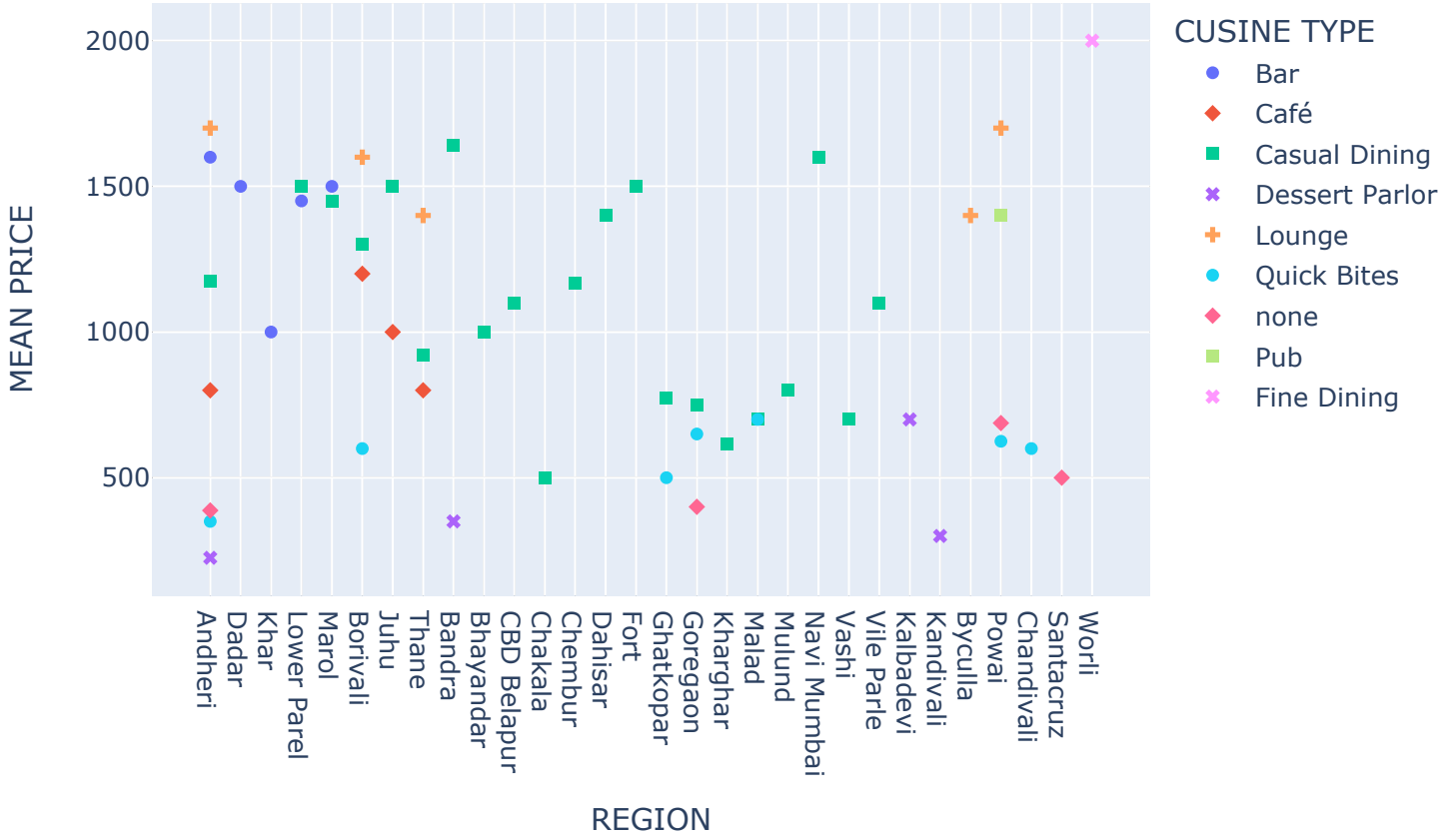
Out[45]:

| | REGION | CUSINE TYPE | MEAN PRICE |
|---|---------|----------------|------------|
| 0 | Andheri | Bar | 1600.0 |
| 1 | Andheri | Café | 800.0 |
| 2 | Andheri | Casual Dining | 1175.0 |
| 3 | Andheri | Dessert Parlor | 225.0 |
| 4 | Andheri | Lounge | 1700.0 |

In [46]:

```
1 fig=px.scatter(avrg_price , x= 'REGION',y='MEAN PRICE', color='CUSINE TYPE',symbol = 'CUSINE TYPE',
2               title= 'Avg Price Distribution of High Rated Restaurants for Each Cuisine Type').update_tr
3 fig.show()
```

Avg Price Distribution of High Rated Restaurants for Each Cuisine Type



Q7) Which areas have a large number of Chinese Restaurant Market?

```
In [47]: 1 cr=PP_Zomato_dataset[PP_Zomato_dataset['CUSINE_CATEGORY'].str.contains('Chinese')]
2 cr
```

Out[47]:

| | NAME | PRICE | CUSINE_CATEGORY | REGION | CUSINE TYPE | TIMING | RATING_TYPE | RATING | VOTES | DAYS_OPEN |
|-------|-------------------|-------|---|----------------|----------------|---------------------------------|-------------|--------|-------|-----------|
| 0 | Hitchki | 1200 | Modern Indian,North Indian,Chinese,Momos,Birya... | Bandra | Casual Dining | 12noon to 130am | Excellent | 4.9 | 3529 | Mon-Sun |
| 2 | Chin Chin Chu | 1800 | Asian,Chinese | Juhu | Casual Dining | 12noon to 1am | Very Good | 4.2 | 337 | Mon-Sun |
| 4 | BKC DIVE | 1200 | North Indian,Chinese,Continental | Bandra | Bar | 1130am to 1am | Very Good | 4.4 | 5995 | Mon-Sun |
| 5 | Flea Bazaar Café | 800 | American,Asian,Street Food,North Indian,Luckno... | Lower Parel | Café | 12noon to 1am | Very Good | 4.2 | 2042 | Mon-Sun |
| 6 | Persian Darbar | 1300 | Biryani,North Indian,Chinese,Mughlai | Marol | Casual Dining | 10am to 3am | Excellent | 4.5 | 3058 | Mon-Sun |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 15071 | Lucknow Zaika | 500 | North Indian,Chinese | Kurla | Quick Bites | 12noon to 2am | Average | 2.6 | 36 | Mon-Sun |
| 15072 | Zuha's Kitchen | 400 | Chinese,North Indian,Mughlai | Mumbai Central | Quick Bites | 12noon to 4pm,730pm to 430am | Average | 3.3 | 13 | Mon-Sun |
| 15075 | Tirupati Balaji | 500 | Chinese,Fast Food,North Indian | Andheri | Casual Dining | 8am to 11pm,12midnight to 115am | Good | 3.5 | 267 | Mon-Sun |
| 15076 | Hari Om Snack Bar | 350 | Fast Food,South Indian,Chinese | Kandivali | Quick Bites | 11am to 230am | Good | 3.7 | 64 | Mon-Sun |
| 15079 | Mandarin Panda | 400 | Desserts,Chinese,Thai | Malad | none | 12noon to 330pm,7pm to 1am | Good | 3.7 | 121 | Mon-Sun |

5119 rows × 10 columns

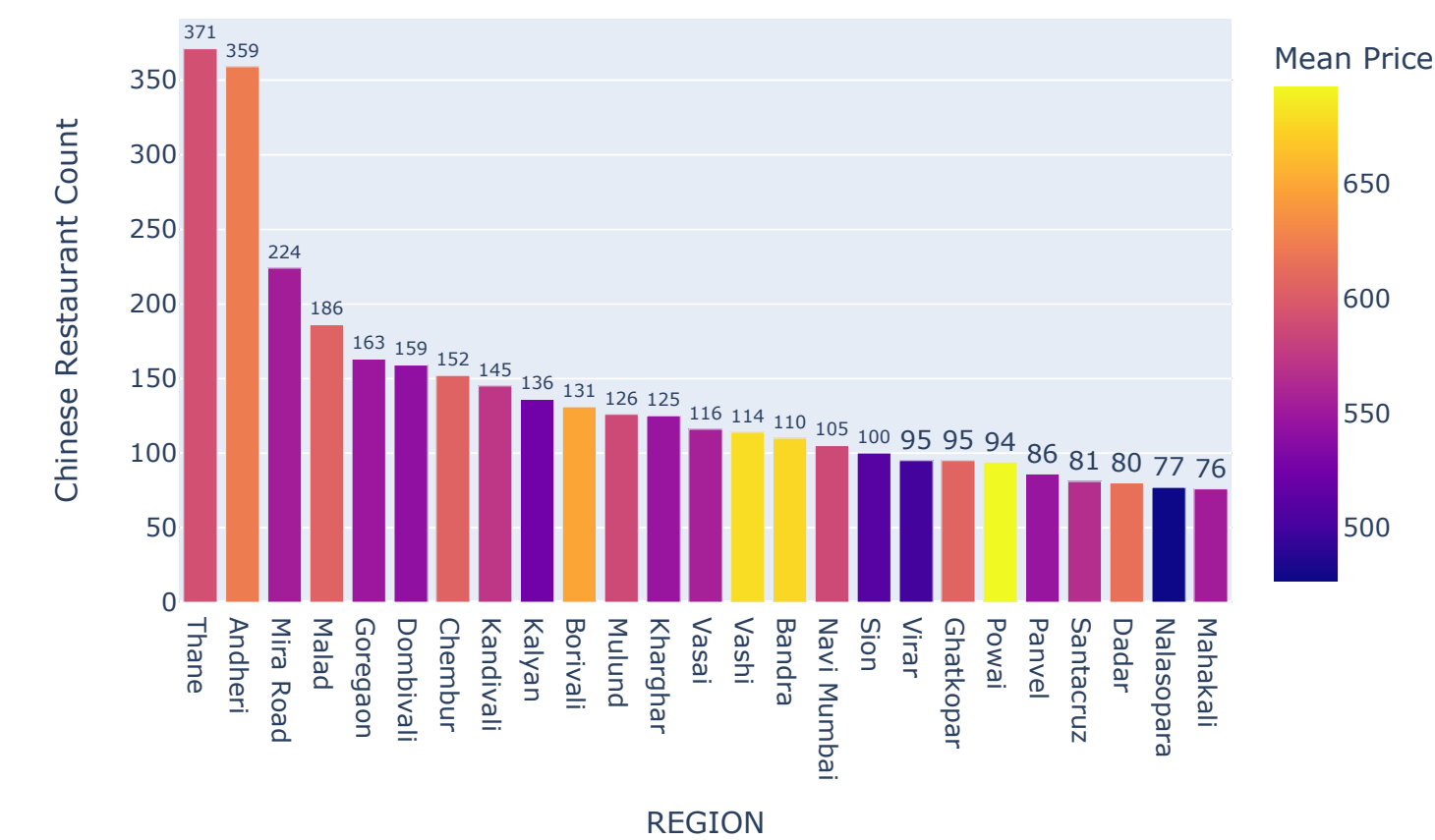
```
In [48]: 1 crc = cr.groupby(by='REGION').agg({'NAME':'count', 'PRICE':'mean'})
2 crc.rename(columns={'NAME':'Chinese Restaurant Count', 'PRICE':'Mean Price'}, inplace=True)
3 crc=crc.sort_values('Chinese Restaurant Count',ascending=False).head(25)
4 crc.head()
```

Out[48]:

| | Chinese Restaurant Count | Mean Price |
|-----------|--------------------------|------------|
| REGION | | |
| Thane | 371 | 590.983827 |
| Andheri | 359 | 622.423398 |
| Mira Road | 224 | 553.348214 |
| Malad | 186 | 604.032258 |
| Goregaon | 163 | 548.773006 |

```
In [49]: 1
2 labels={'x': 'REGION', 'y': 'Chinese Restaurant Count'},title=f'Chinese Restaurant Count by Location', color
3
4
5 de 5)
6
```

Chinese Restaurant Count by Location



Q8) Is there a relation between Price and Rating by each Cuisine Type?

```
In [50]: 1 correlation = PP_Zomato_dataset.groupby('Cuisine Type')[['Price', 'Rating']].corr().iloc[0::2, -1]
2 correlation
```

```
Out[50]: Cuisine Type
Bakery      Price      0.123945
Bar         Price      0.290282
Beverage Shop Price    0.173174
Bhojanalya  Price    -1.000000
Café        Price      0.401321
Casual Dining Price    0.473607
Confectionery Price    0.818392
Dessert Parlor Price    0.194234
Dhaba       Price      0.108422
Fine Dining Price    0.153549
Food Court  Price      0.025806
Food Truck  Price    -0.015445
Irani Cafe  Price      NaN
Kiosk       Price      0.180643
Lounge      Price      0.307669
Mess        Price      NaN
Microbrewery Price      NaN
Paan Shop   Price    -0.077152
Pub         Price      0.451411
Quick Bites Price      0.152220
Sweet Shop  Price      0.089994
none        Price      0.265772
Name: Rating, dtype: float64
```

In [51]:

1

pr=PP_Zomato_dataset.groupby(['CUSINE TYPE','RATING'])["PRICE"].mean().reset_index()

2

pr

Out[51]:

| | CUSINE TYPE | RATING | PRICE |
|-----|-------------|--------|------------|
| 0 | Bakery | 2.7 | 400.000000 |
| 1 | Bakery | 2.8 | 285.714286 |
| 2 | Bakery | 2.9 | 328.571429 |
| 3 | Bakery | 3.0 | 300.000000 |
| 4 | Bakery | 3.1 | 369.117647 |
| ... | ... | ... | ... |
| 278 | none | 4.3 | 683.333333 |
| 279 | none | 4.4 | 555.000000 |
| 280 | none | 4.5 | 420.000000 |
| 281 | none | 4.6 | 687.500000 |
| 282 | none | 4.7 | 350.000000 |

283 rows × 3 columns

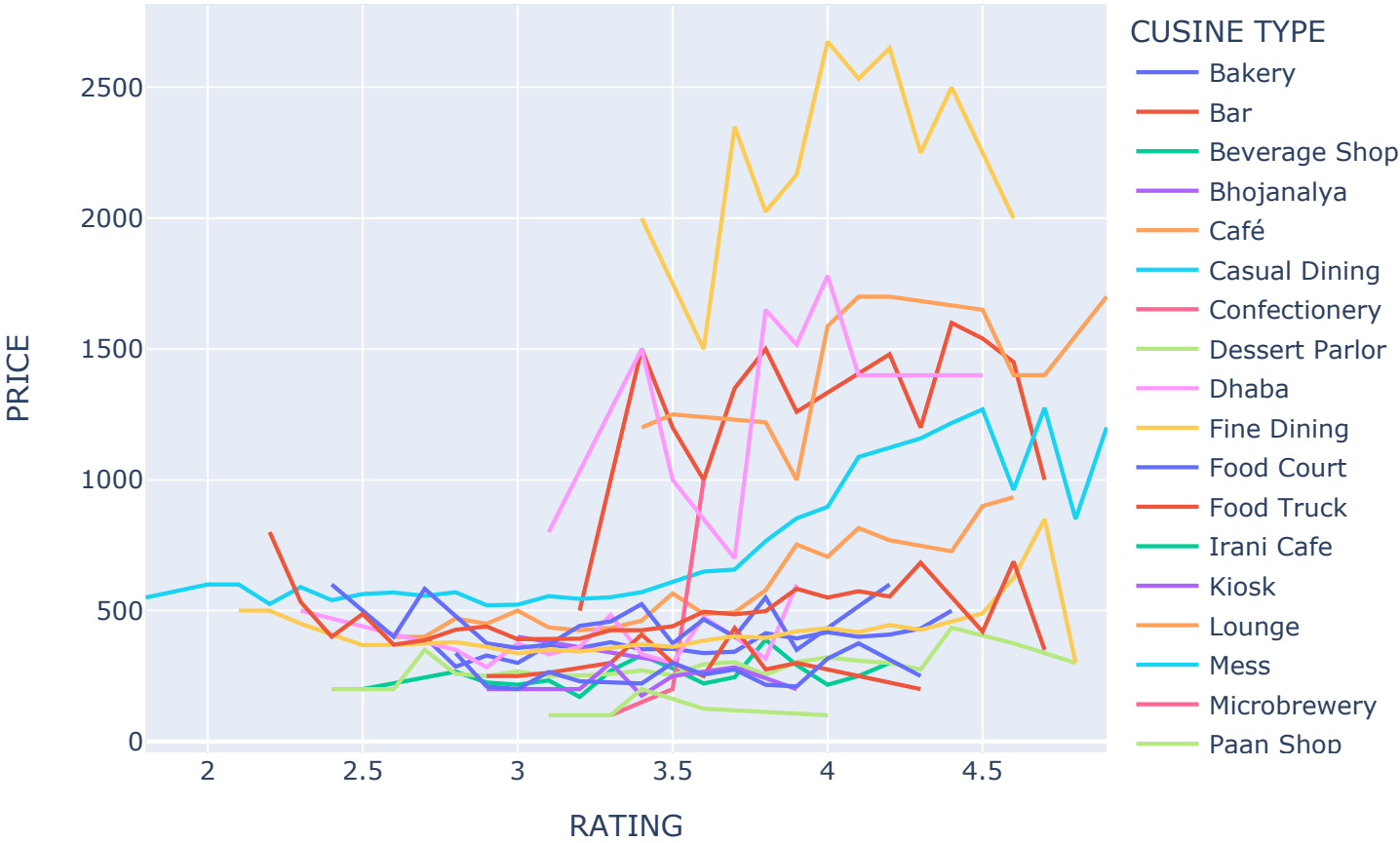
In [52]:

1

fig=px.line(pr,x='RATING', y= 'PRICE',color='CUSINE TYPE')

2

fig.show()



Q9) Is there a relation between Region and Price?

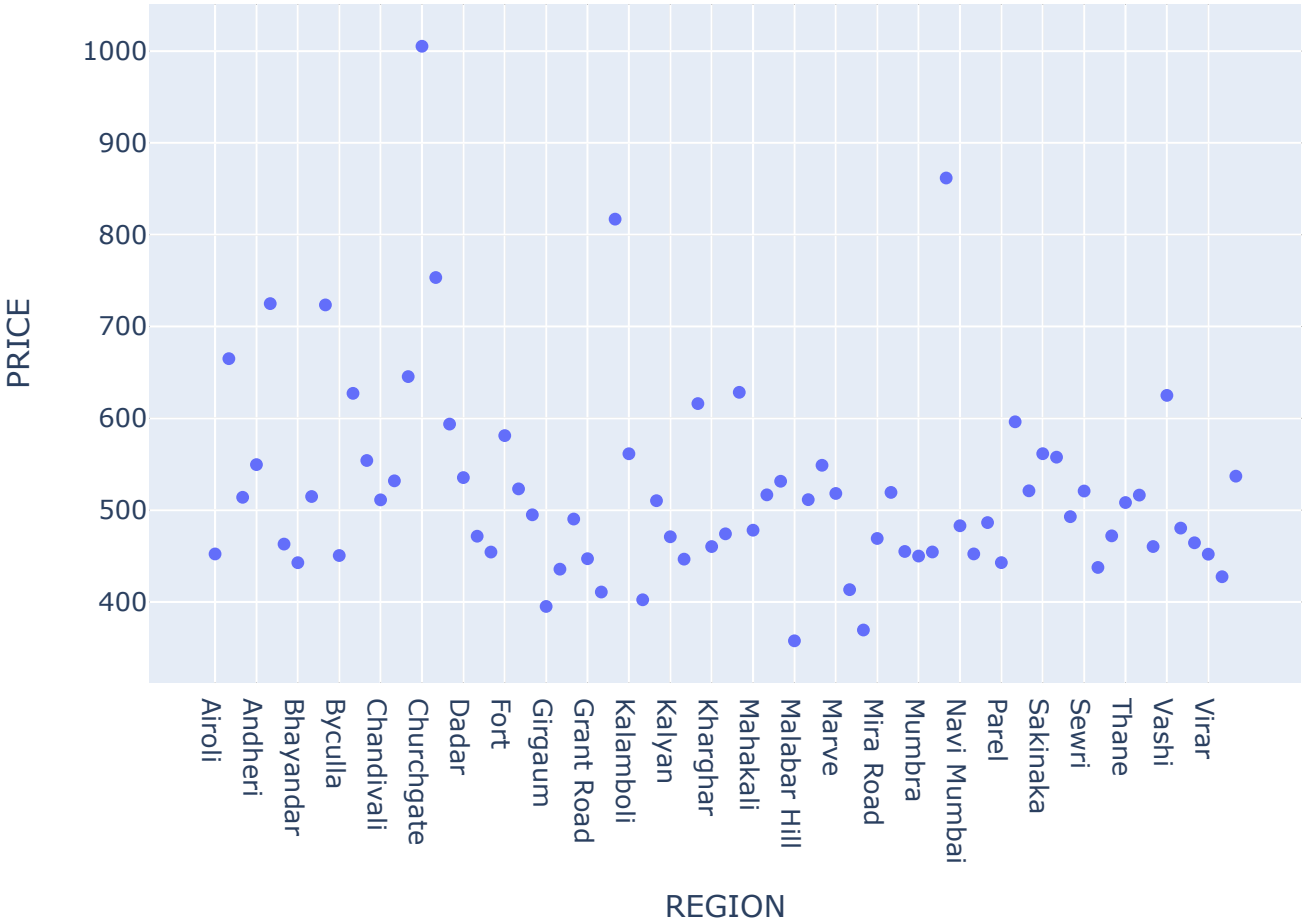
```
In [53]: 1 regprice=PP_Zomato_dataset.groupby(['REGION'])["PRICE"].mean().reset_index()
2 regprice
```

Out[53]:

| | REGION | PRICE |
|-----|------------|------------|
| 0 | Airoli | 452.287582 |
| 1 | Alibaug | 665.000000 |
| 2 | Ambernath | 514.000000 |
| 3 | Andheri | 549.584270 |
| 4 | Bandra | 724.945946 |
| ... | ... | ... |
| 70 | Vikhroli | 480.434783 |
| 71 | Vile Parle | 464.457831 |
| 72 | Virar | 452.027027 |
| 73 | Wadala | 427.500000 |
| 74 | Worli | 537.012987 |

75 rows × 2 columns

```
In [54]: 1 fig=px.scatter(regprice,x='REGION', y='PRICE').update_traces(marker_size=6)
2 fig.show()
```



Q10) Find the list of Affordable Restaurants?

The criteria for Affordable Restaurants would be:-

- 1) Low Price 2) High Rated

First step will be to find the restaurants with average cost 1/4th the average cost of most expensive restaurant in our dataframe.

```
In [55]: 1 max_price= PP_Zomato_dataset['PRICE'].max()
2 quaterth_price=max_price/4
3 quaterth_price
```

Out[55]: 1250.0

In [56]:

```
1 # Finding list of restaurants that have price less than and equal to 1/4th of the max price i.e Finding
2
3 aff_res=PP_Zomato_dataset[['NAME','PRICE','CUSINE_CATEGORY','REGION','CUSINE TYPE']]
4 aff_res=aff_res[aff_res['PRICE']<=1250]
5 aff_res.sort_values(by='PRICE', inplace = True)
6 aff_res
```

Out[56]:

| | NAME | PRICE | CUSINE_CATEGORY | REGION | CUSINE TYPE |
|------|---|-------|---|------------|----------------|
| 6137 | Sanjog Wine N Dine | 5 | North Indian,Chinese | Thane | Casual Dining |
| 2925 | Jab We Eat | 50 | South Indian,North Indian,Maharashtrian,Fast Food | Girgaum | none |
| 9598 | Ho5 Store | 50 | Fast Food | Matunga | none |
| 9589 | Golden Butterfly | 100 | Bakery,Desserts | Mira Road | Bakery |
| 5916 | Madhuri Puranpoli | 100 | Maharashtrian | Vile Parle | none |
| ... | ... | ... | ... | ... | ... |
| 2740 | Peninsula Next | 1200 | North Indian,Mughlai,Chinese | Sion | Casual Dining |
| 5528 | The Thekka | 1200 | Finger Food,Continental,North Indian,Chinese | Vashi | Lounge |
| 964 | Bijoli Grill | 1250 | Bengali | Powai | Casual Dining |
| 6045 | Fabelle at The Chocolate Boutique - ITC Grand ... | 1250 | Desserts | Parel | Dessert Parlor |
| 7301 | SamBar Pub & Kitchen | 1250 | Finger Food,South Indian,North Indian | Khar | Pub |

10190 rows × 5 columns

In [57]:

```
1 # Finding the high rated list of restaurants
2
3 highrate_res=PP_Zomato_dataset[['NAME','PRICE','CUSINE_CATEGORY','REGION','CUSINE TYPE','RATING']]
4 highrate_res=highrate_res[highrate_res['RATING']>=4.5]
5 highrate_res.sort_values(by='RATING', inplace = True)
6 highrate_res
```

Out[57]:

| | NAME | PRICE | CUSINE_CATEGORY | REGION | CUSINE TYPE | RATING |
|-------|-----------------------------|-------|---|-------------|----------------|--------|
| 1675 | The Delhi Spice | 400 | Chinese,Fast Food,North Indian | Goregaon | none | 4.5 |
| 9777 | Poetry By Love & Cheesecake | 1000 | Cafe,Desserts | Juhu | Café | 4.5 |
| 697 | Dhadak Resto Bar | 1000 | North Indian,Chinese,Continental | Thane | Casual Dining | 4.5 |
| 711 | Shaollin Temple | 1000 | Chinese,Thai | CBD Belapur | Casual Dining | 4.5 |
| 9776 | Burma Burma | 1500 | Asian,Burmese | Fort | Casual Dining | 4.5 |
| ... | ... | ... | ... | ... | ... | ... |
| 66 | Downtown China | 750 | Chinese,Thai | Andheri | Casual Dining | 4.8 |
| 9778 | Rajdhani | 950 | Gujarati,Rajasthani,North Indian | Ghatkopar | Casual Dining | 4.8 |
| 15007 | Dessertino | 300 | Desserts,Ice Cream | Kandivali | Dessert Parlor | 4.8 |
| 10669 | Trumpet Sky Lounge | 1700 | North Indian,Chinese | Andheri | Lounge | 4.9 |
| 0 | Hitchki | 1200 | Modern Indian,North Indian,Chinese,Momos,Birya... | Bandra | Casual Dining | 4.9 |

97 rows × 6 columns

In [58]:

```
1 # Merge aff_res & highrate_res to get Affordable Restaurants with low price and high rating
2
3 highrate_aff_res= pd.merge(aff_res,highrate_res,how='inner',on=['NAME','REGION'])
4 highrate_aff_res=highrate_aff_res[['NAME','PRICE_x','CUSINE_CATEGORY_x','REGION','CUSINE TYPE_x']]
5 highrate_aff_res.rename(columns={'NAME':'NAME','PRICE_x':'PRICE','CUSINE_CATEGORY_x':'CUSINE_CATEGORY'},
6 highrate_aff_res
```

Out [58]:

| | NAME | PRICE | CUSINE_CATEGORY | REGION | CUSINE TYPE |
|-----|-------------------------------|-------|---|-------------|----------------|
| 0 | Cake Centre-The Dessert Maker | 150 | Desserts | Andheri | Dessert Parlor |
| 1 | Curry And Combos Twist | 200 | North Indian,Chinese | Andheri | Quick Bites |
| 2 | Moussestruck | 200 | Desserts | Andheri | none |
| 3 | Cone Culture | 250 | European | Kharghar | Casual Dining |
| 4 | Smiley Pops | 300 | Desserts,Ice Cream,Beverages,Sandwich | Andheri | Dessert Parlor |
| ... | ... | ... | ... | ... | ... |
| 60 | Wild Dining Restaurant | 1200 | North Indian,Continental,Mexican,Chinese | Andheri | Casual Dining |
| 61 | Invento | 1200 | Chinese,Fast Food,North Indian,Italian,Mexican | Lower Parel | Casual Dining |
| 62 | Culinary Tales | 1200 | Chinese,European,Continental,Salad,Italian,Pizza | Andheri | Casual Dining |
| 63 | Hitchki | 1200 | Modern Indian,North Indian,Chinese,Momos,Birya... | Bandra | Casual Dining |
| 64 | The Joker Bistro | 1200 | North Indian,Chinese,Continental | CBD Belapur | Casual Dining |

65 rows × 5 columns

Q11) Find the list of most Reliable Restaurants?

The criteria for Affordable Restaurants would be:-

1) Low Price 2) High Rated 3)Large No. of votes

First two steps has been already carried out. So next step will be to find the restaurants with Votes greater than Mean of Votes.

In [59]:

```
1 mean_votes= PP_Zomato_dataset['VOTES'].mean()
2 mean_votes
```

Out [59]: 177.2656679624538

In [60]:

```
1 # Finding list of restaurants that have Votes greater than and equal to Mean of Vote
2
3 mean_res=PP_Zomato_dataset[['NAME','PRICE','CUSINE_CATEGORY','REGION','CUSINE TYPE','VOTES']]
4 mean_res=mean_res[mean_res['VOTES']>177]
5 mean_res.sort_values(by='VOTES',inplace = True)
6 mean_res
```

Out [60]:

| | NAME | PRICE | CUSINE_CATEGORY | REGION | CUSINE TYPE | VOTES |
|------|-------------------------------------|-------|---|----------|----------------|-------|
| 4194 | Sai Sagar Veg Treat | 500 | North Indian,South Indian,Chinese,Fast Food,Be... | Kalyan | Casual Dining | 178 |
| 884 | Rajmanya- Seafood family restaurant | 800 | Maharashtrian,Konkan,Seafood | Vashi | Casual Dining | 178 |
| 3914 | Ice Cafe | 500 | Fast Food,Ice Cream,Beverages,Pizza | Borivali | Quick Bites | 178 |
| 7897 | Konkan Lajjatdar | 500 | Seafood,Biryani,Beverages,Chinese,Malwani,Konkan | Andheri | Casual Dining | 178 |
| 3828 | Frozen Delight -The Dessert Cafe | 250 | Desserts,Ice Cream | Airoli | Dessert Parlor | 178 |
| ... | ... | ... | ... | ... | ... | ... |
| 8539 | Leopold Cafe & Bar | 1600 | American,Chinese,Mughlai,Italian | Colaba | Casual Dining | 7327 |
| 1251 | Joey's Pizza | 800 | Pizza | Malad | Quick Bites | 7350 |
| 5337 | Chili's American Grill & Bar | 1400 | American,Mexican,Burger,Tex-Mex | Powai | Casual Dining | 7377 |
| 3751 | Prithvi Cafe | 700 | Cafe,Fast Food | Juhu | Café | 8000 |
| 8897 | Candies | 700 | Cafe,Italian,North Indian,Desserts | Bandra | Café | 10217 |

2345 rows × 6 columns

Criteria for most reliable, highest rated and affordable restaurants:-

Cost is below or =1250, Rating is above 4.5 & Votes are above 177

This is obtained by merging highrate_aff_res & mean_res

In [61]:

```
1 reliable_res= pd.merge(mean_res,highrate_aff_res,how='inner',on=['NAME','REGION'])
2 reliable_res=reliable_res[['NAME','PRICE_x','CUSINE_CATEGORY_x','REGION','CUSINE TYPE_x']]
3 reliable_res.rename(columns={'NAME':'NAME','PRICE_x':'PRICE','CUSINE_CATEGORY_x':'CUSINE_CATEGORY','REG
4 reliable_res
```

Out[61]:

| | NAME | PRICE | CUSINE_CATEGORY | REGION | CUSINE TYPE |
|----|-------------------------------------|-------|---|-------------|----------------|
| 0 | Rajmanya- Seafood family restaurant | 800 | Maharashtrian,Konkan,Seafood | Vashi | Casual Dining |
| 1 | Fresh Food Co. | 500 | Continental,Healthy Food,Salad,Beverages,Desse... | Santacruz | none |
| 2 | Dessertino | 300 | Desserts,Ice Cream | Kandivali | Dessert Parlor |
| 3 | Invento | 1200 | Chinese,Fast Food,North Indian,Italian,Mexican | Lower Parel | Casual Dining |
| 4 | Maharashtra Lunch Home | 600 | Maharashtrian,Malwani,Konkan,Seafood | Kharghar | Casual Dining |
| 5 | Regano's | 600 | Continental,Fast Food,Italian,Desserts | Malad | Casual Dining |
| 6 | Big Bang Cuurry | 350 | North Indian,Biryani,Rolls | Andheri | none |
| 7 | Sandy's Den | 1000 | Fast Food,Bar Food | Chembur | Casual Dining |
| 8 | Angrezi Patiyalaa | 1200 | North Indian,Finger Food,American,Mexican,Chinese | Andheri | Casual Dining |
| 9 | Maezo | 1000 | Modern Indian | Thane | Casual Dining |
| 10 | Tossin Pizza | 900 | Pizza,Italian,Fast Food | Chembur | Casual Dining |
| 11 | Little West Pizza | 600 | Pizza | Borivali | Quick Bites |
| 12 | Ceremonial Kitchen & Co | 1000 | Seafood,Maharashtrian,North Indian,Chinese | Thane | Casual Dining |
| 13 | Moussestruck | 200 | Desserts | Andheri | none |
| 14 | Daftar Goregaon | 750 | Pizza,Chinese,North Indian,Beverages | Goregaon | Casual Dining |
| 15 | Poetry By Love & Cheesecake | 1000 | Cafe,Desserts | Juhu | Café |
| 16 | Makhan Singh | 800 | North Indian,Chinese,Biryani | Powai | none |
| 17 | The Joker Bistro | 1200 | North Indian,Chinese,Continental | CBD Belapur | Casual Dining |
| 18 | Cone Culture | 250 | European | Kharghar | Casual Dining |
| 19 | Peco Peco | 700 | Chinese,Seafood,Asian | Powai | none |
| 20 | Shuruwat- Veg Food Journey | 600 | Continental,Tea,South Indian,Fast Food,Pizza,N... | Ghatkopar | Casual Dining |
| 21 | Justice Cafe and Dine | 800 | Cafe,Chinese,Italian,Continental,North Indian,... | Thane | Café |
| 22 | Thangabali | 1000 | Seafood,South Indian,Mangalorean,Andhra,Kerala | Khar | Bar |
| 23 | Harsh's Bistro | 800 | Chinese,Continental | Malad | Casual Dining |
| 24 | Quarter Canteen | 1100 | North Indian,Seafood,Chinese | Bandra | Casual Dining |
| 25 | Culinary Tales | 1200 | Chinese,European,Continental,Salad,Italian,Pizza | Andheri | Casual Dining |
| 26 | Dum & Curry | 700 | Mughlai,North Indian,Chinese | Powai | Quick Bites |
| 27 | Curry Culture | 800 | North Indian,Biryani,Chinese,Kebab,Mughlai,Asian | Powai | none |
| 28 | Belo Pops | 300 | Ice Cream,Desserts,Beverages | Andheri | none |
| 29 | Tick-eat | 800 | North Indian,Italian,Chinese,Mexican,Lebanese | Mulund | Casual Dining |
| 30 | Coppetto Artisan Gelato | 350 | Ice Cream,Desserts | Bandra | Dessert Parlor |
| 31 | Zaika Restaurant & Party Hall | 1000 | North Indian,Chinese,Beverages | Bhayandar | Casual Dining |
| 32 | Shaollin Temple | 1000 | Chinese,Thai | CBD Belapur | Casual Dining |
| 33 | Spice Republic | 1200 | Cafe,Continental,Mediterranean,Mexican,Italian... | Borivali | Café |
| 34 | Aquafire Restaurant | 1100 | North Indian,Continental,Chinese,Italian | Vile Parle | Casual Dining |
| 35 | Rajdhani | 950 | Gujarati,Rajasthani,North Indian | Ghatkopar | Casual Dining |
| 36 | Wild Dining Restaurant | 1200 | North Indian,Continental,Mexican,Chinese | Andheri | Casual Dining |
| 37 | Family Tree | 800 | Italian,Mexican,North Indian,Chinese,Salad | Thane | Casual Dining |
| 38 | Bombay Salad Co. | 900 | Salad,Healthy Food,Juices | Bandra | Casual Dining |
| 39 | Cafe Monza | 1000 | Italian,American,Salad,Mexican | Kharghar | Casual Dining |
| 40 | Hitchki | 1200 | Modern Indian,North Indian,Chinese,Momos,Birya... | Bandra | Casual Dining |
| 41 | Vedge | 1000 | Thai,Chinese,North Indian,Mexican,Italian,Asian | Andheri | Casual Dining |
| 42 | Joey's Pizza | 800 | Pizza | Malad | Quick Bites |

In []:

```
1
```