Loading the Dataset

```
In [1]:
        import numpy as np #NumPy is a general-purpose array-processing package.
        import pandas as pd #It contains high-level data structures and manipulation tools desig
        import matplotlib.pyplot as plt #It is a Plotting Library
        import seaborn as sns #Seaborn is a Python data visualization library based on matplotli
        from sklearn.linear_model import LogisticRegression #Logistic Regression is a Machine Le
        from sklearn.linear_model import LinearRegression #Linear Regression is a Machine Learni
        from sklearn.model_selection import train_test_split #Splitting of Dataset
        from sklearn.metrics import classification_report
        from sklearn.metrics import confusion_matrix
        from sklearn.metrics import r2_score
```

Reading the dataset

- :	<pre>#reading the dataset zomato_orgnl=pd.read_csv("F:\Zomato.csv") zomato_orgnl.head() #This function returns the first n rows for the object based on posi-</pre>												
2]:		url	address	name	online_order	book_table	rate	votes					
(0	https://www.zomato.com/bangalore/jalsa- banasha	942, 21st Main Road, 2nd Stage, Banashankari, 	Jalsa	Yes	Yes	4.1/5	775					
	1	https://www.zomato.com/bangalore/spice- elephan	2nd Floor, 80 Feet Road, Near Big Bazaar, 6th	Spice Elephant	Yes	No	4.1/5	787					
;	2	https://www.zomato.com/SanchurroBangalore? cont	1112, Next to KIMS Medical College, 17th Cross	San Churro Cafe	Yes	No	3.8/5	918					
;	3	https://www.zomato.com/bangalore/addhuri- udupi	1st Floor, Annakuteera, 3rd Stage, Banashankar	Addhuri Udupi Bhojana	No	No	3.7/5	88					
	4	https://www.zomato.com/bangalore/grand-	10, 3rd Floor, Lakshmi	Grand	No	No	3.8/5	166					

Deleting Unnnecessary Columns

```
In [3]:
        #Deleting Unnnecessary Columns
         zomato=zomato_orgnl.drop(['url', 'dish_liked', 'phone'], axis=1)
```

Associates,

Gandhi Baza...

Village

village...

Removing the Duplicates

```
#Removing the Duplicates
              zomato.duplicated().sum()
Loading [MathJax]/extensions/Safe.js |uplicates(inplace=True)
```

Remove the NaN values from the dataset

```
In [5]: #Remove the NaN values from the dataset
        zomato.isnull().sum()
        zomato.dropna(how='any',inplace=True)
        zomato.info()
        <class 'pandas.core.frame.DataFrame'>
        Int64Index: 43499 entries, 0 to 51716
        Data columns (total 14 columns):
            Column
                                         Non-Null Count Dtvpe
        ---
            _____
                                         -----
         0
            address
                                         43499 non-null object
                                         43499 non-null object
         1
           name
                                        43499 non-null object
         2
            online_order
                                        43499 non-null object
            book_table
                                        43499 non-null object
         4
            rate
           votes
                                        43499 non-null int64
                                        43499 non-null object
            location
         7
           rest_type
                                        43499 non-null object
                                        43499 non-null object
         8 cuisines
            approx_cost(for two people) 43499 non-null object
                                        43499 non-null object
         10 reviews_list
         11 menu_item
                                        43499 non-null object
                                        43499 non-null object
         12 listed_in(type)
         13 listed_in(city)
                                        43499 non-null object
        dtypes: int64(1), object(13)
        memory usage: 5.0+ MB
```

Changing the Columns Names

Some Transformations

```
In [7]: #Some Transformations
  zomato['cost'] = zomato['cost'].astype(str)
  zomato['cost'] = zomato['cost'].apply(lambda x: x.replace(',','.'))
  zomato['cost'] = zomato['cost'].astype(float)
  zomato.info()
```

```
<class 'pandas.core.frame.DataFrame'>
Int64Index: 43499 entries, 0 to 51716
Data columns (total 14 columns):
                  Non-Null Count Dtype
    Column
- - -
 0
    address
                 43499 non-null object
    name
                  43499 non-null object
 1
    online_order 43499 non-null object
 2
 3
    book_table 43499 non-null object
 4
    rate
                 43499 non-null object
 5
    votes
                 43499 non-null int64
 6 location
                43499 non-null object
    rest_type 43499 non-null object cuisines 43499 non-null object cost
 7
 8
 9
    cost
                 43499 non-null float64
 10 reviews_list 43499 non-null object
 11 menu_item 43499 non-null object
 12 type
                 43499 non-null object
13 city
                 43499 non-null object
dtypes: float64(1), int64(1), object(12)
memory usage: 5.0+ MB
```

Removing '/5' from Rates

```
#Removing '/5' from Rates
In [8]:
        zomato['rate'].unique()
        zomato = zomato.loc[zomato.rate !='NEW']
        zomato = zomato.loc[zomato.rate !='-'].reset_index(drop=True)
        remove_slash = lambda x: x.replace('/5', '') if type(x) == np.str else x
        zomato.rate = zomato.rate.apply(remove_slash).str.strip().astype('float')
        zomato['rate'].head()
        C:\Users\LENOVO\AppData\Local\Temp\ipykernel_1356\3634058824.py:5: DeprecationWarning:
        np.str` is a deprecated alias for the builtin `str`. To silence this warning, use `str`
        by itself. Doing this will not modify any behavior and is safe. If you specifically want
        ed the numpy scalar type, use `np.str_` here.
        Deprecated in NumPy 1.20; for more details and quidance: https://numpy.org/devdocs/relea
        se/1.20.0-notes.html#deprecations
          remove_slash = lambda x: x.replace('/5', '') if type(x) == np.str else x
             4.1
Out[8]:
        1
             4.1
             3.8
        2
        3
             3.7
        4
             3.8
        Name: rate, dtype: float64
```

Adjust the column names

```
In [9]:
        # Adiust the column names
        zomato.name = zomato.name.apply(lambda x:x.title())
        zomato.online_order.replace(('Yes','No'),(True, False),inplace=True)
        zomato.book_table.replace(('Yes','No'),(True, False),inplace=True)
        zomato.cost.unique()
        array([800. , 300. , 600. , 700. , 550. , 500. , 450. , 650.
Out[9]:
              400. , 900. , 200. , 750. , 150. , 850. , 100.
                                                                      1.2 ,
              350. , 250. , 950. ,
                                       1. ,
                                               1.5 ,
                                                       1.3 , 199. ,
                                                                      1.1 ,
                1.6 , 230. , 130.
                                       1.7 ,
                                                       2.2 ,
                                                              1.4 ,
                                                                      2. ,
                                               1.35,
                                                       2.1 ,
                                                              3. ,
                1.8 , 1.9 , 180.
                                   , 330. ,
                                               2.5 ,
                                                                      2.8 ,
                                                       4. ,
                3.4 ,
                       50. , 40.
                                       1.25,
                                               3.5 ,
                                                              2.4 ,
                                                                      2.6 ,
                                              6.,
                1.45, 70.
                               3.2 , 240. ,
                                                       1.05,
                                                              2.3 ,
                                                                      4.1 ,
                                               2.7 ,
                      5.,
                                                       4.5 ,
                                                             80. ])
                               3.7 ,
                                       1.65,
```

Encode the input Variables

```
In [10]: #Encode the input Variables
def Encode(zomato):
    for column in zomato.columns[~zomato.columns.isin(['rate', 'cost', 'votes'])]:
        zomato[column] = zomato[column].factorize()[0]
    return zomato

zomato_en = Encode(zomato.copy())
```

Get Correlation between different variables

```
In [11]:
               #Get Correlation between different variables
               corr = zomato_en.corr(method='kendall')
               plt.figure(figsize=(15,8))
               sns.heatmap(corr, annot=True)
               zomato_en.columns
               Index(['address', 'name', 'online_order', 'book_table', 'rate', 'votes',
Out[11]:
                           'location', 'rest_type', 'cuisines', 'cost', 'reviews_list',
                           'menu_item', 'type', 'city'],
                         dtype='object')
                                                                                                                                                          - 1.0
                   address -
                                              0.14
                                                              -0.027
                                                                      -0.045
                                                                               0.4
                                                                                                      0.00082
                                                                                                                       -0.022
                                      1
                                                      -0.04
                                                              -0.04
                                                                      -0.09
                                                                               0.3
                                                                                      0.0076
                                                                                               0.19
                                                                                                       -0.068
                                                                                                                       -0.079
                                                                                                                                0.09
                     name
                                                                                                                                                          - 0.8
                             0.14
                                      0.19
                                               1
                                                     -0.055
                                                              -0.066
                                                                              0.056
                                                                                                       -0.15
                                                                                                               0.043
                                                                                                                        -0.4
                                                                                                                                        0.047
               online_order
                                                                      -0.13
                 book_table
                             0.016
                                      -0.04
                                             -0.055
                                                       1
                                                              -0.38
                                                                       -0.38
                                                                              -0.053
                                                                                       -0.054
                                                                                               -0.19
                                                                                                                -0.11
                                                                                                                        0.043
                                                                                                                                -0.1
                                                                                                                                        -0.025
                                                                                                                                                          -0.6
                                             -0.066
                                                                              0.044
                      rate
                             -0.027
                                      -0.04
                                                      -0.38
                                                               1
                                                                                       0.083
                                                                                                       -0.061
                                                                                                                0.13
                                                                                                                        0.052
                                                                                                                                0.024
                                                                                                                                        0.019
                             -0.045
                                     -0.09
                                              -0.13
                                                      -0.38
                                                                        1
                                                                              0.035
                                                                                       -0.034
                                                                                                       0.034
                                                                                                                       0.067
                                                                                                                                0.03
                                                                                                                                        0.008
                     votes
                                                                                                                                                           0.4
                                             0.056
                                                     -0.053
                                                              0.044
                                                                                1
                                                                                                                                0.041
                                                                                               0.096
                                                                                                       -0.025
                                                                                                                       0.014
                   location
                                                                      -0.034
                             0.015
                                                                              0.037
                                                                                        1
                                                                                               0.026
                                                                                                       -0.23
                                                                                                                                0.028
                                                                                                                                        0.022
                  rest_type
                                    0.0076
                                                     -0.054
                                                              0.083
                                                                                                               0.026
                                                                                                                       -0.0086
                                                                                                                                                          -02
                   cuisines
                                      0.19
                                             0.019
                                                      -0.19
                                                                              0.096
                                                                                       0.026
                                                                                                1
                                                                                                       -0.031
                                                                                                                       0.0059
                                                                                                                                0.053
                                                                                                                                        0.065
                                                                                       -0.23
                                                                                               -0.031
                                                                                                               0.0033
                                                                                                                        0.066
                            0.00082
                                     -0.068
                                              -0.15
                                                              -0.061
                                                                      0.034
                                                                              -0.025
                                                                                                                                -0.12
                                                                                                                                        -0.017
                      cost
                                                                                                                                                          0.0
                                             0.043
                                                      -0.11
                                                                                                       0.0033
                                                                                                                 1
                                                                                                                                0.06
                reviews list
                                                                                                               0.075
                                     -0.079
                                              -0.4
                                                     0.043
                                                                                                       0.066
                                                                                                                         1
                                                                                                                                -0.11
                menu_item
                                                              0.052
                                                                      0.067
                                                                              0.014
                                                                                      -0.0086
                                                                                              0.0059
                                                                                                                                                          - -0.2
                             0.076
                                                                                                                0.06
                                                                                                                                 1
                      type
                                      0.09
                                              0.23
                                                      -0.1
                                                              0.024
                                                                       0.03
                                                                              0.041
                                                                                       0.028
                                                                                               0.053
                                                                                                       -0.12
                                                                                                                                        0.028
                       city
                                             0.047
                                                     -0.025
                                                                      0.008
                                                                                       0.022
                                                                                               0.065
                                                                                                                                0.028
                                                                                                                                          1
                                                       table
                              address
                                               order
                                                                rate
                                                                        votes
                                                                                                        ost
                                                                                                                                 ype
                                                                                                                                          ά
                                                                                ocation
                                                                                        est_type
                                                                                                cuisines
                                                                                                                 eviews list
                                                                                                                         menu item
```

Defining the independent variables and dependent variables

```
In [13]: #Defining the independent variables and dependent variables
    x = zomato_en.iloc[:,[2,3,5,6,7,8,9,11]]
    y = zomato_en['rate']
    #Getting Test and Training Set
    x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=.1,random_state=353)
    x_train.head()
```

Out[13]:		online_order	book_table	votes	location	rest_type	cuisines	cost	menu_item
	16950	0	1	0	8	2	5	250.0	0
	767	0	1	131	8	4	278	400.0	190
	6750	0	1	137	45	2	1295	250.0	0
	9471	0	1	74	16	0	537	1.0	0
	25162	0	1	61	12	2	1860	350.0	0

```
In [14]: y_train.head()
                   3.9
         16950
Out[14]:
         767
                   3.7
         6750
                   4.0
         9471
                   3.8
         25162
                   3.7
         Name: rate, dtype: float64
```

Regression Analysis

Linear Regression

```
In [15]: #Prepare a Linear REgression Model
         reg=LinearRegression()
          reg.fit(x_train,y_train)
         y_pred=reg.predict(x_test)
         from sklearn.metrics import r2_score
          r2_score(y_test,y_pred)
         0.27362337221038613
Out[15]:
```

Decision Tree Regression

```
In [16]:
         #Prepairing a Decision Tree Regression
         from sklearn.tree import DecisionTreeRegressor
         x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=.1,random_state=105)
         DTree=DecisionTreeRegressor(min_samples_leaf=.0001)
         DTree.fit(x_train,y_train)
         y_predict=DTree.predict(x_test)
         from sklearn.metrics import r2_score
         r2_score(y_test,y_predict)
         0.8544435619824873
```

Random Forest Regression

```
In [19]: |
         #Preparing Random Forest REgression
         from sklearn.ensemble import RandomForestRegressor
         RForest=RandomForestRegressor(n_estimators=500, random_state=329, min_samples_leaf=.0001)
         RForest.fit(x_train,y_train)
         y_predict=RForest.predict(x_test)
         from sklearn.metrics import r2_score
          r2_score(y_test,y_predict)
```

0.8774279501872895 Out[19]:

Out[16]:

Extra Tree Regression

```
In [20]: #Preparing Extra Tree Regression
         from sklearn.ensemble import ExtraTreesRegressor
         ETree=ExtraTreesRegressor(n_estimators = 100)
         ETree.fit(x_train, y_train)
         y_predict=ETree.predict(x_test)
         from sklearn.metrics import r2_score
         r2_score(y_test,y_predict)
         0.9384354116714239
```

Out[20]:

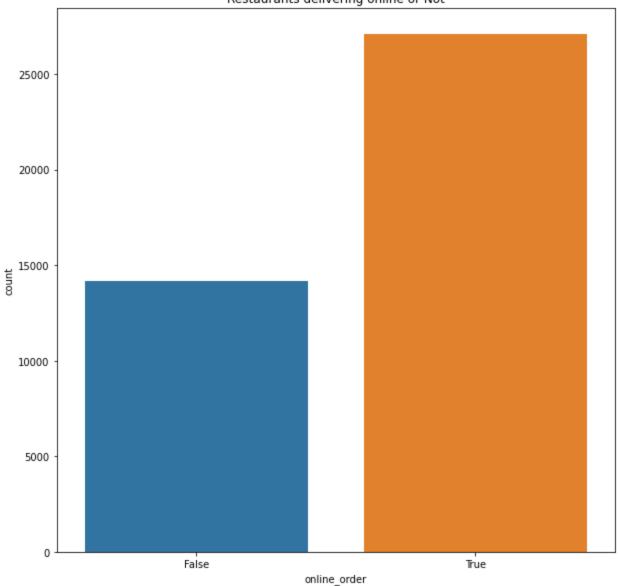
Data Visualization

Restaurants delivering Online or not

```
In [21]: #Restaurants delivering Online or not
         sns.countplot(zomato['online_order'])
         fig = plt.gcf()
         fig.set_size_inches(10,10)
         plt.title('Restaurants delivering online or Not')
         C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn\_decor
         ators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From versio
         n 0.12, the only valid positional argument will be `data`, and passing other arguments w
         ithout an explicit keyword will result in an error or misinterpretation.
           warnings.warn(
```

Text(0.5, 1.0, 'Restaurants delivering online or Not') Out[21]:



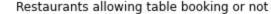


Restaurants allowing table booking or not

```
In [22]: #Restaurants allowing table booking or not
    sns.countplot(zomato['book_table'])
    fig = plt.gcf()
    fig.set_size_inches(10,10)
    plt.title('Restaurants allowing table booking or not')

C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn\_decor
    ators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From versio
    n 0.12, the only valid positional argument will be `data`, and passing other arguments w
    ithout an explicit keyword will result in an error or misinterpretation.
        warnings.warn(

Out[22]:
```



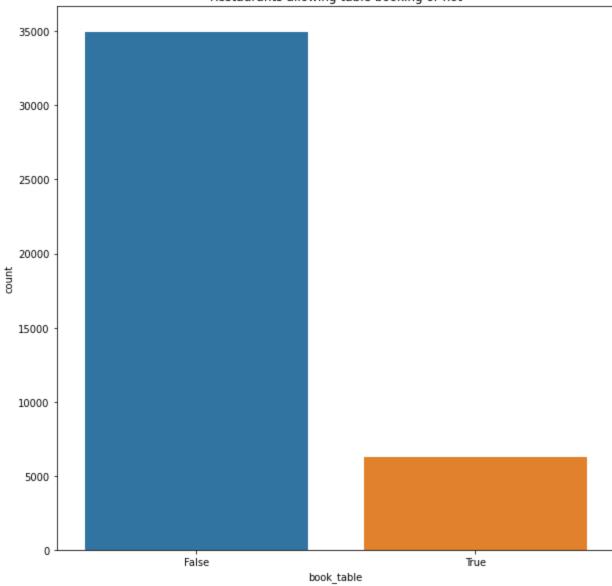


Table booking Rate vs Rate

```
In [23]: #Table booking Rate vs Rate
plt.rcParams['figure.figsize'] = (13, 9)
Y = pd.crosstab(zomato['rate'], zomato['book_table'])
Y.div(Y.sum(1).astype(float), axis = 0).plot(kind = 'bar', stacked = True,color=['red','
plt.title('table booking vs rate', fontweight = 30, fontsize = 20)
plt.legend(loc="upper right")
plt.show()
```





Location

```
In [24]: # Location
    sns.countplot(zomato['city'])
    sns.countplot(zomato['city']).set_xticklabels(sns.countplot(zomato['city']).get_xticklab
    fig = plt.gcf()
    fig.set_size_inches(13,13)
    plt.title('Location')
```

C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn_decor
ators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From versio
n 0.12, the only valid positional argument will be `data`, and passing other arguments w
ithout an explicit keyword will result in an error or misinterpretation.
warnings.warn(

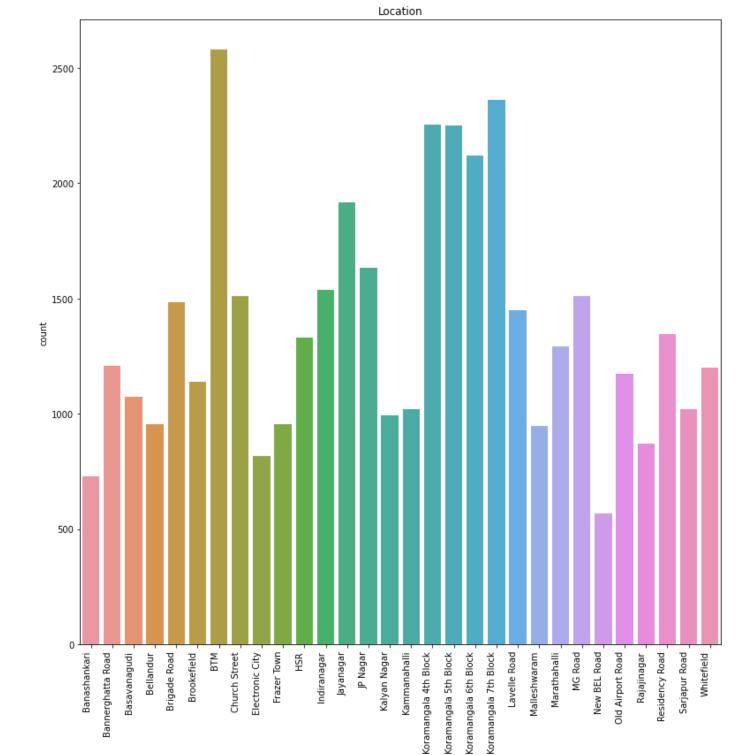
C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn_decor ators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From versio n 0.12, the only valid positional argument will be `data`, and passing other arguments w ithout an explicit keyword will result in an error or misinterpretation.

warnings.warn(

C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn_decor ators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From versio n 0.12, the only valid positional argument will be `data`, and passing other arguments w ithout an explicit keyword will result in an error or misinterpretation.

warnings.warn(

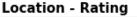
Out[24]: Text(0.5, 1.0, 'Location')

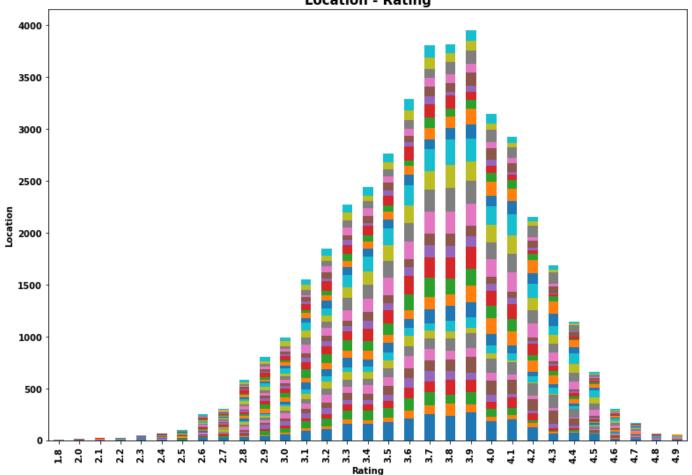


Location and Rating

```
In [25]: #Location and Rating
    loc_plt=pd.crosstab(zomato['rate'], zomato['city'])
    loc_plt.plot(kind='bar', stacked=True);
    plt.title('Location - Rating', fontsize=15, fontweight='bold')
    plt.ylabel('Location', fontsize=10, fontweight='bold')
    plt.xlabel('Rating', fontsize=10, fontweight='bold')
    plt.xticks(fontsize=10, fontweight='bold')
    plt.yticks(fontsize=10, fontweight='bold');
    plt.legend().remove();
```

city





Restaurant Type

C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn_decor ators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From versio n 0.12, the only valid positional argument will be `data`, and passing other arguments w ithout an explicit keyword will result in an error or misinterpretation.

warnings.warn(

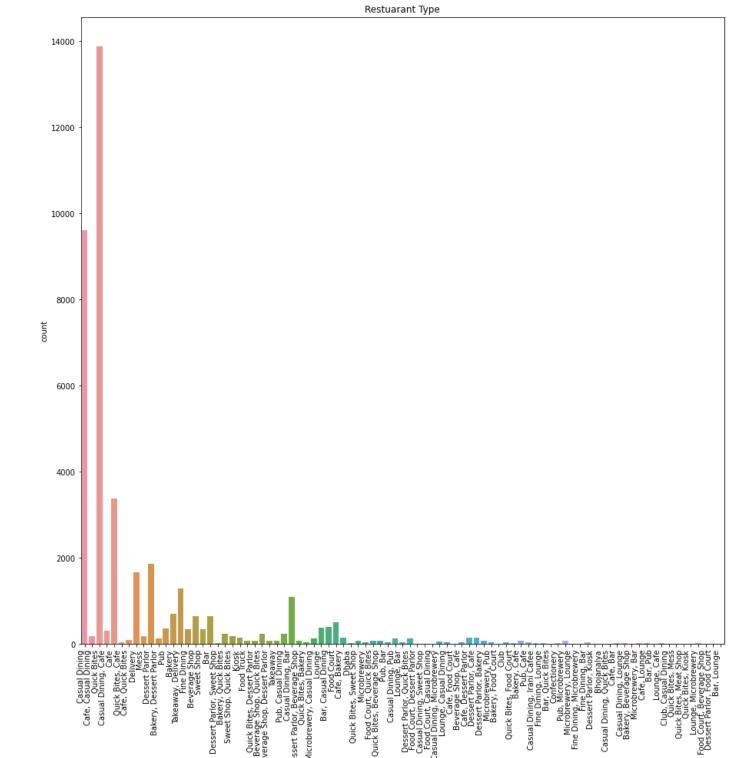
C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn_decor ators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From versio n 0.12, the only valid positional argument will be `data`, and passing other arguments w ithout an explicit keyword will result in an error or misinterpretation.

warnings.warn(

C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn_decor ators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From versio n 0.12, the only valid positional argument will be `data`, and passing other arguments w ithout an explicit keyword will result in an error or misinterpretation.

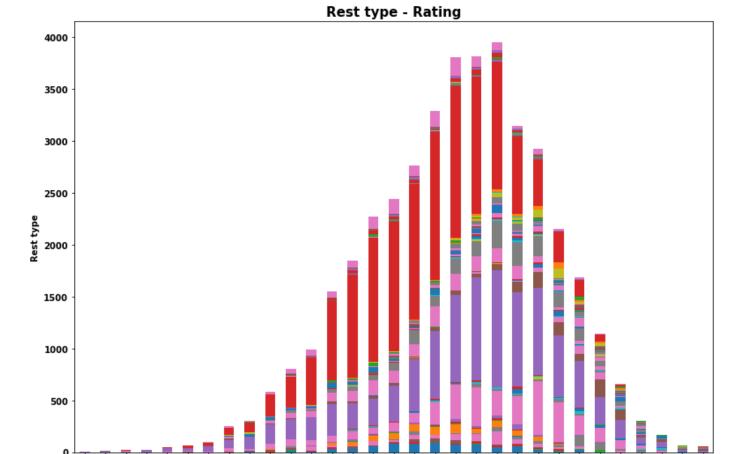
warnings.warn(

Out[26]: Text(0.5, 1.0, 'Restuarant Type')



Gaussian Rest type and Rating

```
In [27]: #Gaussian Rest type and Rating
loc_plt=pd.crosstab(zomato['rate'],zomato['rest_type'])
loc_plt.plot(kind='bar',stacked=True);
plt.title('Rest type - Rating',fontsize=15,fontweight='bold')
plt.ylabel('Rest type',fontsize=10,fontweight='bold')
plt.xlabel('Rating',fontsize=10,fontweight='bold')
plt.xticks(fontsize=10,fontweight='bold')
plt.yticks(fontsize=10,fontweight='bold');
plt.legend().remove();
```



Types of Services

```
In [28]: #Types of Services
    sns.countplot(zomato['type'])
    sns.countplot(zomato['type']).set_xticklabels(sns.countplot(zomato['type']).get_xticklab
    fig = plt.gcf()
    fig.set_size_inches(15,15)
    plt.title('Type of Service')
```

3.1

3.7

Rating

4.1

C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn_decor ators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From versio n 0.12, the only valid positional argument will be `data`, and passing other arguments w ithout an explicit keyword will result in an error or misinterpretation.

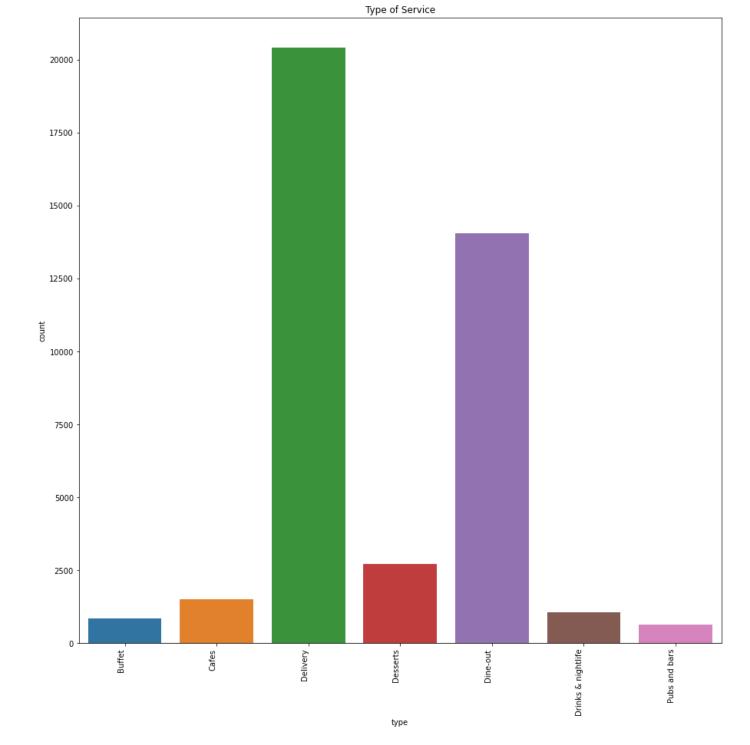
warnings.warn(

C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn_decor ators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From versio n 0.12, the only valid positional argument will be `data`, and passing other arguments w ithout an explicit keyword will result in an error or misinterpretation.

warnings.warn(

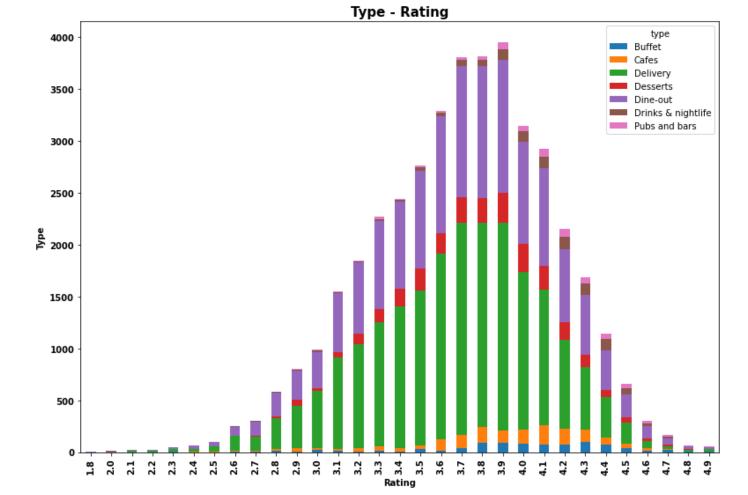
C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn_decor
ators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From versio
n 0.12, the only valid positional argument will be `data`, and passing other arguments w
ithout an explicit keyword will result in an error or misinterpretation.
warnings.warn(

Out[28]: Text(0.5, 1.0, 'Type of Service')



Type and Rating

```
In [29]: #Type and Rating
    type_plt=pd.crosstab(zomato['rate'],zomato['type'])
    type_plt.plot(kind='bar',stacked=True);
    plt.title('Type - Rating',fontsize=15,fontweight='bold')
    plt.ylabel('Type',fontsize=10,fontweight='bold')
    plt.xlabel('Rating',fontsize=10,fontweight='bold')
    plt.xticks(fontsize=10,fontweight='bold')
    plt.yticks(fontsize=10,fontweight='bold');
```



Cost of Restuarant

```
In [30]: #Cost of Restuarant
    sns.countplot(zomato['cost'])
    sns.countplot(zomato['cost']).set_xticklabels(sns.countplot(zomato['cost']).get_xticklab
    fig = plt.gcf()
    fig.set_size_inches(15,15)
    plt.title('Cost of Restuarant')
```

C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn_decor ators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From versio n 0.12, the only valid positional argument will be `data`, and passing other arguments w ithout an explicit keyword will result in an error or misinterpretation.

warnings.warn(

C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn_decor ators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From versio n 0.12, the only valid positional argument will be `data`, and passing other arguments w ithout an explicit keyword will result in an error or misinterpretation.

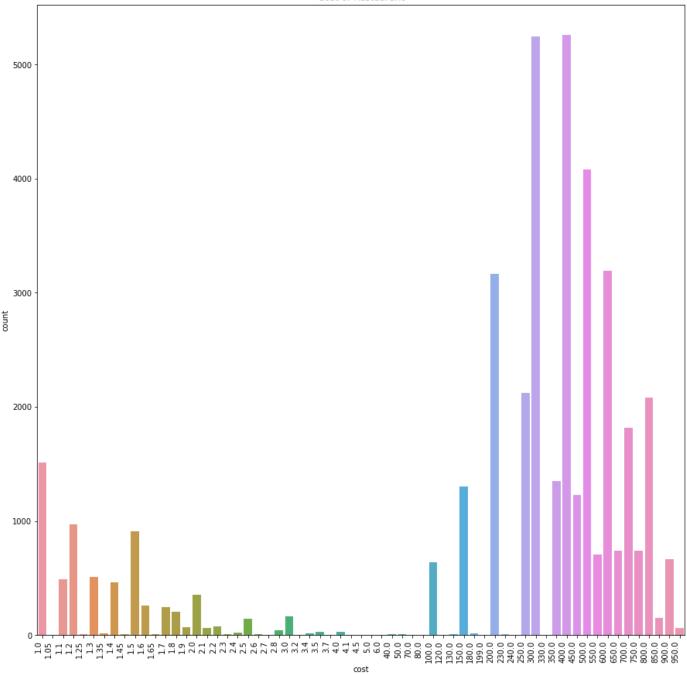
warnings.warn(

C:\Users\LENOVO\AppData\Local\Programs\Python\Python310\lib\site-packages\seaborn_decor ators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From versio n 0.12, the only valid positional argument will be `data`, and passing other arguments w ithout an explicit keyword will result in an error or misinterpretation.

warnings.warn(

Out[30]: Text(0.5, 1.0, 'Cost of Restuarant')

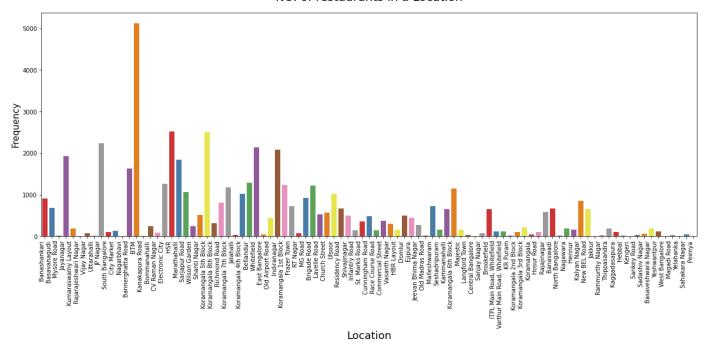




NO. of restaurants in a Location

```
In [31]: #NO. of restaurants in a Location
fig = plt.figure(figsize=(20,7))
loc = sns.countplot(x="location", data=zomato_orgnl, palette = "Set1")
loc.set_xticklabels(loc.get_xticklabels(), rotation=90, ha="right")
plt.ylabel("Frequency", size=15)
plt.xlabel("Location", size=18)
loc
plt.title('NO. of restaurants in a Location', size = 20, pad=20)
Out[31]: Text(0.5, 1.0, 'NO. of restaurants in a Location')
```

NO. of restaurants in a Location

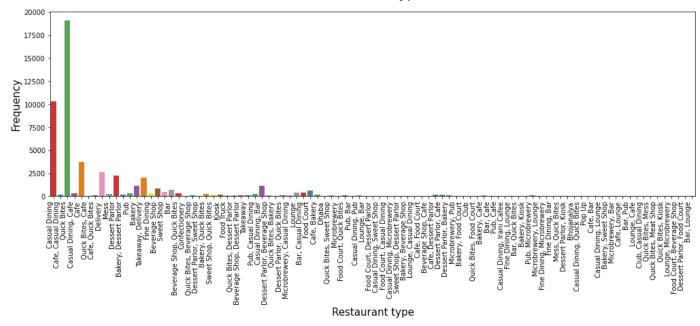


Restaurant type

```
In [32]: #Restaurant type
fig = plt.figure(figsize=(17,5))
    rest = sns.countplot(x="rest_type", data=zomato_orgnl, palette = "Set1")
    rest.set_xticklabels(rest.get_xticklabels(), rotation=90, ha="right")
    plt.ylabel("Frequency", size=15)
    plt.xlabel("Restaurant type", size=15)
    rest
    plt.title('Restaurant types', fontsize = 20 , pad=20)
Taut(0.5 = 1.0 | Pagetourant types')
```

Out[32]: Text(0.5, 1.0, 'Restaurant types')





Most famous restaurant chains in Bengaluru

```
In [33]: #Most famous restaurant chains in Bengaluru
plt.figure(figsize=(15,7))
chains=zomato_orgnl['name'].value_counts()[:20]
Loading [MathJax]/extensions/Safe.js
```

```
sns.barplot(x=chains,y=chains.index,palette='Set1')
plt.title("Most famous restaurant chains in Bangaluru",size=20,pad=20)
plt.xlabel("Number of outlets",size=15)
```

Out[33]: Text(0.5, 0, 'Number of outlets')

Most famous restaurant chains in Bangaluru

