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In [3]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
%matplotlib inline
from sklearn.preprocessing import LabelEncoder
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import StandardScaler
from sklearn.linear_model import LinearRegression
from sklearn.ensemble import RandomForestRegressor
from sklearn.ensemble import GradientBoostingRegressor
from sklearn.metrics import r2_score, mean_squared_error
import pickle
import seaborn as sns
from scipy import stats
plt.style.use('fivethirtyeight')
import warnings
warnings.filterwarnings('ignore')
```

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In [4]: df = pd.read_csv('99acres_data.csv')
df.head()
```

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Out[4]:
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	city	monthly_rant	BHKS	Baths	sqft_per_inch	build_up_area	Type_of_property	location_of_the_property	deposit
0	mumbai	17500.0	1.0	2 Baths	470	Carpet Area	Residential	Kolshet Road	75000.0
1	mumbai	75000.0	3.0	3 Baths	1800	Super built-up Area	Residential	Sector 21 Nerul	400000.0
2	mumbai	60000.0	2.0	2 Baths	950	Super built-up Area	Residential	Wadala	200000.0
3	mumbai	52000.0	3.0	3 Baths	1300	Carpet Area	Residential	Hiranandani Estate	300000.0
4	mumbai	30000.0	1.0	1 Bath	550	Built-up Area	Residential	Kanjurmarg (East)	150000.0

```
In [5]: print("Numbers of Area Type :")
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