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```
import pandas as pd
import matplotlib.pyplot as plt
from matplotlib import rcParams
import seaborn as sns
```

1. Download the dataset: House Price India dataset is downloaded.
2. Load The dataset

```
df = pd.read_csv('/House Price India.csv')
df.head()
```

	id	Date	number_of_bedrooms	number_of_bathrooms	living_area	lot_area	n
0	6762810145	42491	5	2.50	3650	9050	
1	6762810635	42491	4	2.50	2920	4000	
2	6762810998	42491	5	2.75	2910	9480	
3	6762812605	42491	4	2.50	3310	42998	
4	6762812919	42491	3	2.00	2710	4500	

5 rows × 23 columns

3. Perform the Below Visualizations.

- Univariate Analysis
- Bi - Variate Analysis
- Multivariate Analysis

```
sns.distplot(df.living_area)
```

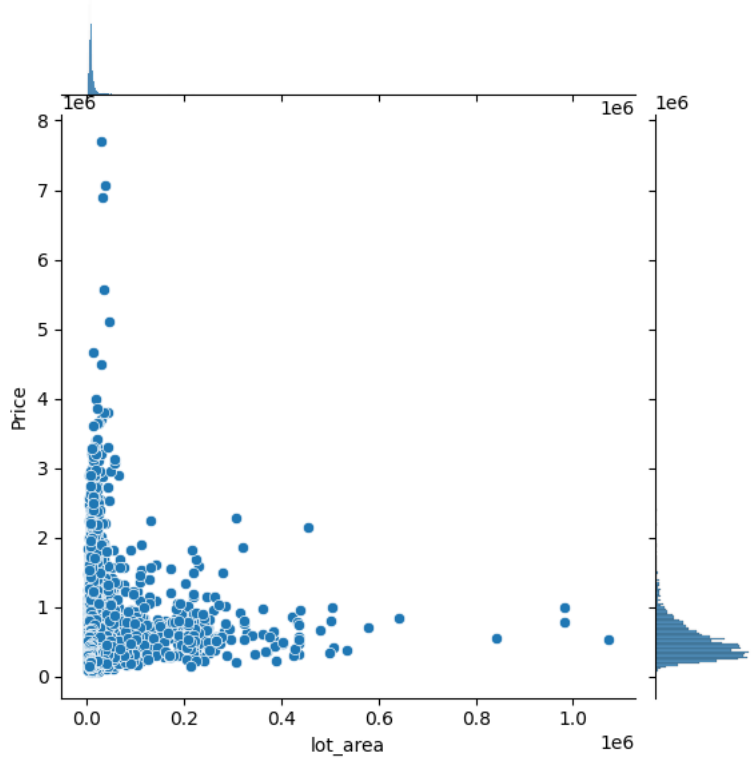
```
<ipython-input-6-0a51b39d7713>:1: UserWarning:

`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

Please adapt your code to use either `displot` (a figure-level function with
```

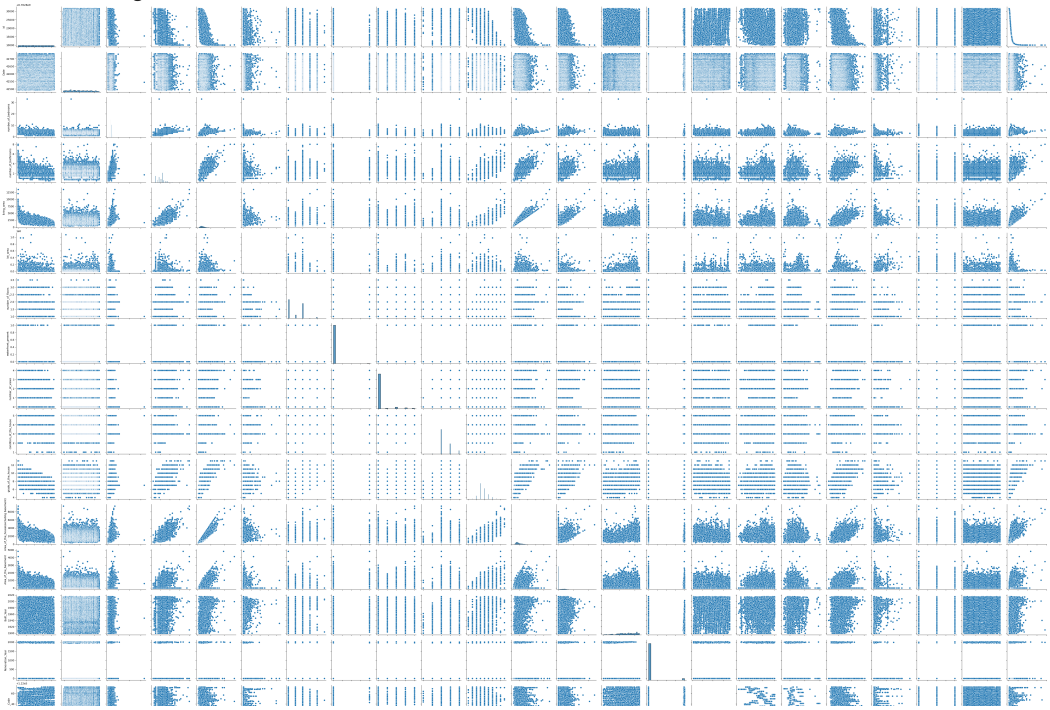
```
sns.jointplot(x='lot_area',y='Price',data=df)
```

```
<seaborn.axisgrid.JointGrid at 0x7f7675648be0>
```




```
sns.pairplot(df)
```

```
<seaborn.axisgrid.PairGrid at 0x7f7659b68e50>
```



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4. Perform descriptive statistics on the dataset.

```
df.describe()
```

	id	Date	number_of_bedrooms	number_of_bathrooms	living_area	lot_area
count	1.462000e+04	14620.000000	14620.000000	14620.000000	14620.000000	1.462000e+04
mean	6.762821e+09	42604.538646	3.379343	2.129583	2098.262996	1.509328e+04
std	6.237575e+03	67.347991	0.938719	0.769934	928.275721	3.791962e+04
min	6.762810e+09	42491.000000	1.000000	0.500000	370.000000	5.200000e+02
25%	6.762815e+09	42546.000000	3.000000	1.750000	1440.000000	5.010750e+03
50%	6.762821e+09	42600.000000	3.000000	2.250000	1930.000000	7.620000e+03
75%	6.762826e+09	42662.000000	4.000000	2.500000	2570.000000	1.080000e+04
max	6.762832e+09	42734.000000	33.000000	8.000000	13540.000000	1.074218e+06

8 rows × 23 columns

5. Handle the Missing values

```
df.isnull().any()
```

```
id                                    False
Date                                  False
number_of_bedrooms                    False
number_of_bathrooms                   False
living_area                           False
lot_area                              False
number_of_floors                      False
waterfront_present                    False
number_of_views                       False
condition_of_the_house                False
grade_of_the_house                    False
Area_of_the_house(excluding basement)    False
Area_of_the_basement                  False
Built_Year                            False
Renovation_Year                       False
```

```
Postal_Code                    False
Lattitude                      False
Longitude                      False
living_area_renov              False
lot_area_renov                 False
Number_of_schools_nearby       False
Distance_from_the_airport      False
Price                          False
dtype: bool
```

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