

```
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```

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Saving House Price India.csv to House Price India.csv

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
import warnings
warnings.filterwarnings('ignore')
```

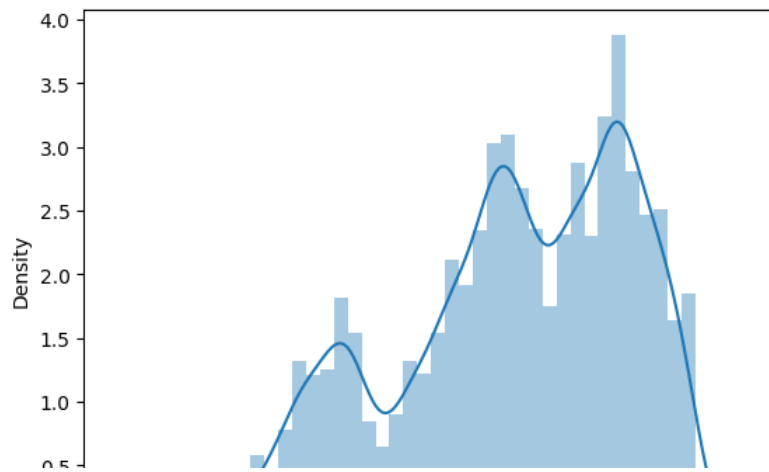
```
dataset = pd.read_csv('House Price India.csv')
dataset
```

	id	Date	number of bedrooms	number of bathrooms	living area	lot area	number of floors	waterfront present	r
0	6762810145	42491	5	2.50	3650	9050	2.0	0	
1	6762810635	42491	4	2.50	2920	4000	1.5	0	
2	6762810998	42491	5	2.75	2910	9480	1.5	0	
3	6762812605	42491	4	2.50	3310	42998	2.0	0	
4	6762812919	42491	3	2.00	2710	4500	1.5	0	
...	
14615	6762830250	42734	2	1.50	1556	20000	1.0	0	
14616	6762830339	42734	3	2.00	1680	7000	1.5	0	
14617	6762830618	42734	2	1.00	1070	6120	1.0	0	
14618	6762830709	42734	4	1.00	1030	6621	1.0	0	
14619	6762831463	42734	3	1.00	900	4770	1.0	0	

14620 rows × 23 columns

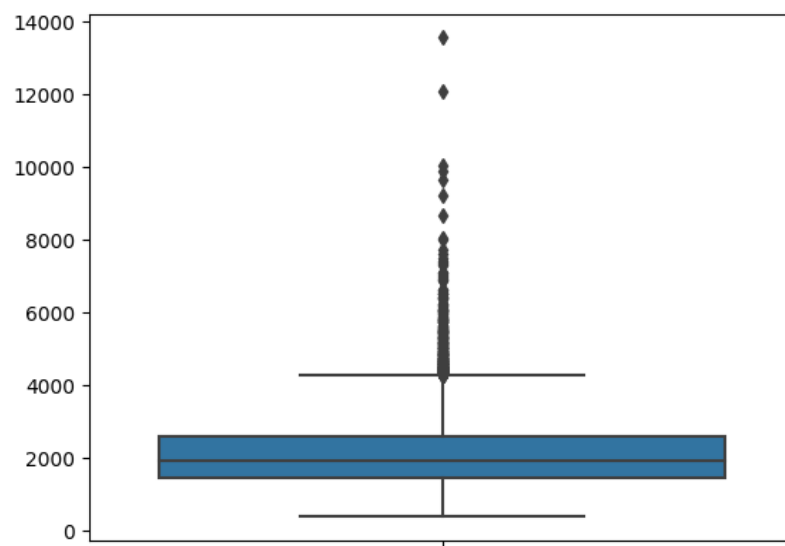
```
sns.distplot(dataset['Latitude'],kde=True)
```

```
<Axes: xlabel='Latitude', ylabel='Density'>
```



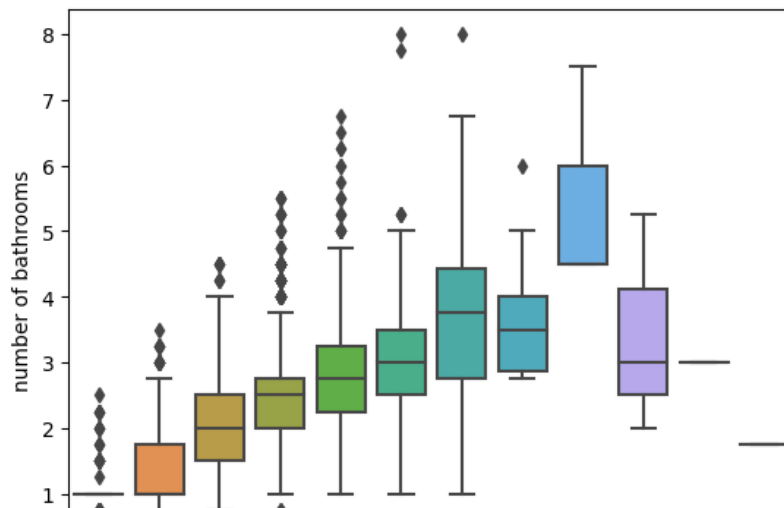
```
sns.boxplot(dataset['living area'],
```

```
(<Axes: >,)
```



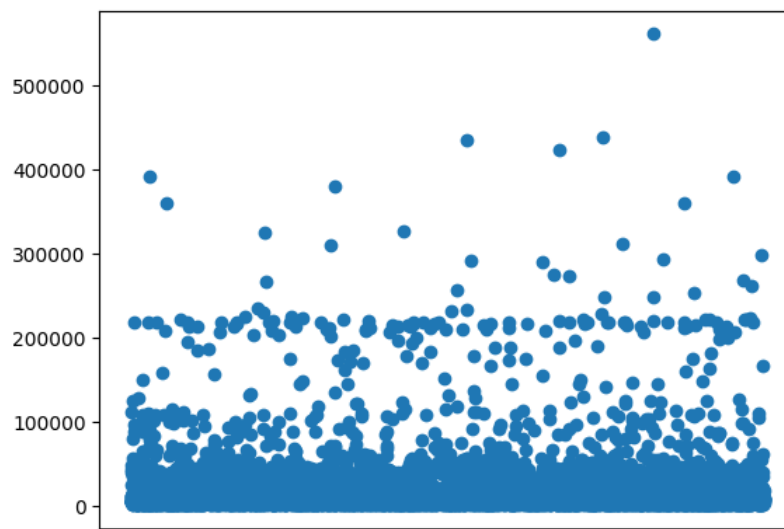
```
sns.boxplot(x='number of bedrooms',y='number of bathrooms',data=dataset)
```

```
<Axes: xlabel='number of bedrooms',  
ylabel='number of bathrooms'>
```



```
plt.scatter(dataset.index, dataset['lot_area_renov'])
```

```
<matplotlib.collections.PathCollection at  
0x7fa007ec8c10>
```



```
sns.heatmap(dataset.corr())
```

<Axes: >

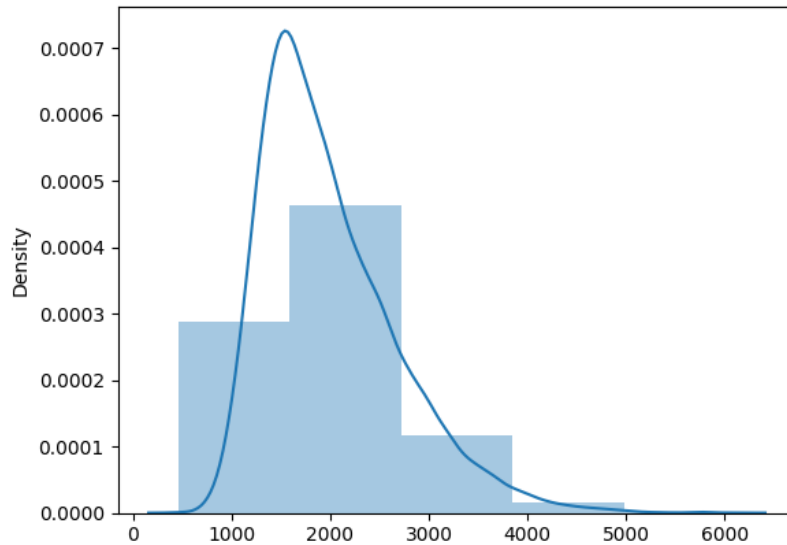


```
dataset.tail()
```

	id	Date	number of bedrooms	number of bathrooms	liv a
14615	6762830250	42734	2	1.5	1
14616	6762830339	42734	3	2.0	1
14617	6762830618	42734	2	1.0	1
14618	6762830709	42734	4	1.0	1
14619	6762831463	42734	3	1.0	

5 rows × 23 columns

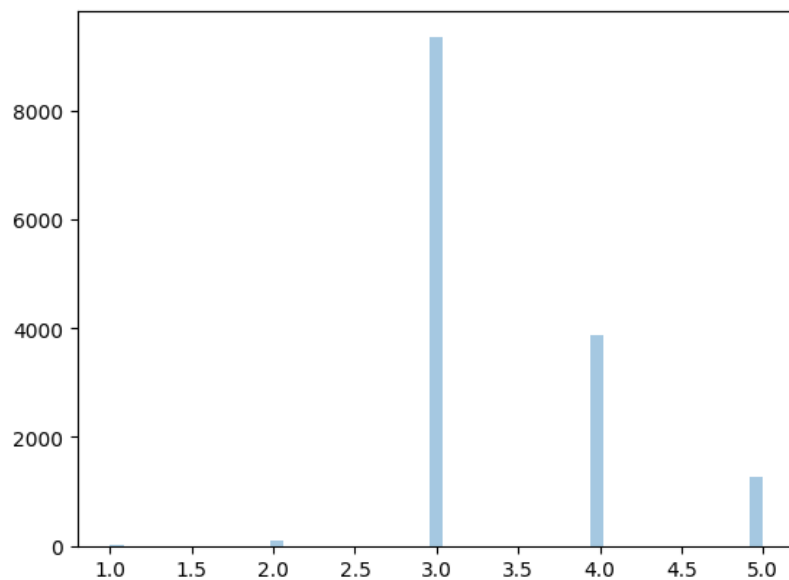
```
sns.distplot(dataset['living_area_renov'], bins=5);
```



```
dataset.nunique()
```

id	14620
Date	241
number of bedrooms	12
number of bathrooms	29
living area	865
lot area	7451
number of floors	6
waterfront present	2
number of views	5
condition of the house	5
grade of the house	10
Area of the house(excluding basement)	781
Area of the basement	280
Built Year	116
Renovation Year	68
Postal Code	70
Lattitude	4662
Longitude	716
living_area_renov	665
lot_area_renov	6835
Number of schools nearby	3
Distance from the airport	31
Price	2901
dtype: int64	

```
sns.distplot(dataset['condition of the house'],kde=False);
```



```
import matplotlib.pyplot as plt
slices=[7,2,2,5]
rooms=['bedroom','kitchen','storeroom','bathroom']
cols=['c','m','r','b']
plt.pie(slices,
        labels=rooms,
        colors=cols,
        startangle=90,
        shadow=True,
        explode=(0,0.1,0,0),
        autopct='%1.1f%%')
plt.title('pie plot')
plt.show()
```

pie plot



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