```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
housing="/content/Housing.csv"
housing=pd.read_csv(housing)
```

```
housing.head()
```

	price	area	bedrooms	bathrooms	stories	mainroad	guestroom	basement	hotwater
0	13300000	7420	4	2	3	yes	no	no	
1	12250000	8960	4	4	4	yes	no	no	
2	12250000	9960	3	2	2	yes	no	yes	
3	12215000	7500	4	2	2	yes	no	yes	
4	11410000	7420	4	1	2	yes	yes	yes	

```
housing.tail()
```

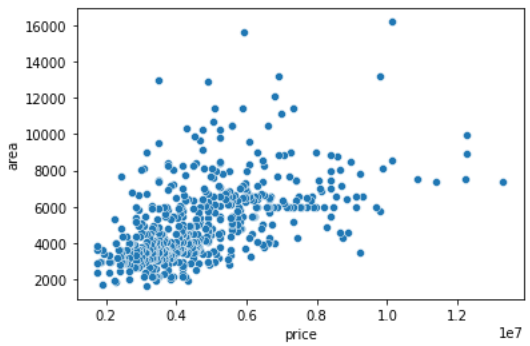
	price	area	bedrooms	bathrooms	stories	mainroad	guestroom	basement	hotwate
540	1820000	3000	2	1	1	yes	no	yes	
541	1767150	2400	3	1	1	no	no	no	
542	1750000	3620	2	1	1	yes	no	no	
543	1750000	2910	3	1	1	no	no	no	
544	1750000	3850	3	1	2	yes	no	no	

```
housing.describe()
```

	price	area	bedrooms	bathrooms	stories	parking
count	5.450000e+02	545.000000	545.000000	545.000000	545.000000	545.000000
mean	4.766729e+06	5150.541284	2.965138	1.286239	1.805505	0.693578
std	1.870440e+06	2170.141023	0.738064	0.502470	0.867492	0.861586
min	1.750000e+06	1650.000000	1.000000	1.000000	1.000000	0.000000
25%	3.430000e+06	3600.000000	2.000000	1.000000	1.000000	0.000000
50%	4.340000e+06	4600.000000	3.000000	1.000000	2.000000	0.000000
75%	5.740000e+06	6360.000000	3.000000	2.000000	2.000000	1.000000
max	1.330000e+07	16200.000000	6.000000	4.000000	4.000000	3.000000

```
sns.scatterplot(housing, x="price" ,y="area")
```

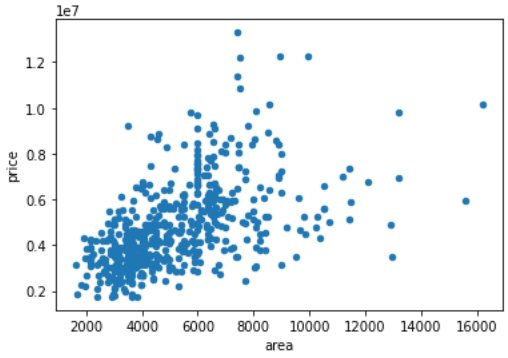
```
<Axes: xlabel='price', ylabel='area'>
```



Double-click (or enter) to edit

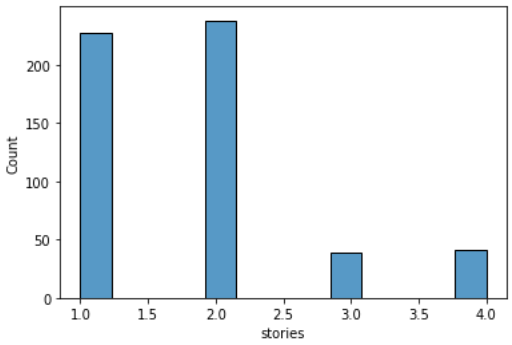
```
housing.plot(kind="scatter",x='area',y='price')
```

```
/usr/local/lib/python3.9/dist-packages/pandas/plotting/_matplotlib/core.py:1114: UserWarning: No data f
  scatter = ax.scatter(
<Axes: xlabel='area', ylabel='price'>
```




```
sns.histplot(housing, x="stories")
```

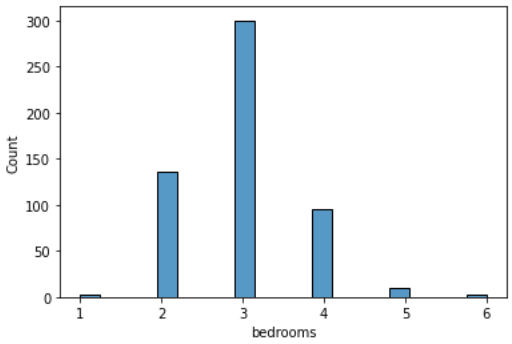
```
<Axes: xlabel='stories', ylabel='Count'>
```



in the above histoplot 2 story houses have the highest count

```
sns.histplot(housing, x="bedrooms")
```

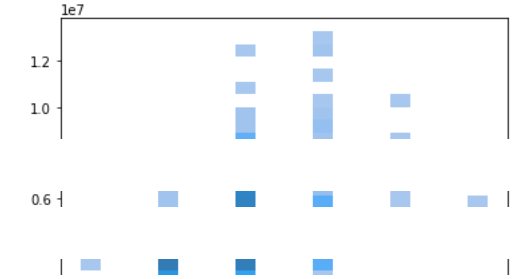
```
<Axes: xlabel='bedrooms', ylabel='Count'>
```



in the above histoplot it shows that 3bedroom houses have the highest count compared to rest

```
sns.histplot(housing, x="bedrooms",y="price")
```

<Axes: xlabel='bedrooms', ylabel='price'>



The above graph shows that 3bedroom houses with the price range of 0.2 to 0.6 are the most purchased compared to 5 bedroom houses

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New Section

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