```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
%matplotlib inline

housing = pd.read_csv('Housing.csv')
```

housing.head()

	Avg. Area Income	Avg. Area House Age	Avg. Area Number of Rooms	Avg. Area Number of Bedrooms	Area Population	Price	Address	11.
0	79545.458574	5.682861	7.009188	4.09	23086.800503	1.059034e+06	208 Michael Ferry Apt. 674\nLaurabury, NE 3701	
1	79248.642455	6.002900	6.730821	3.09	40173.072174	1.505891e+06	188 Johnson Views Suite 079\nLake Kathleen, CA	
2	61287.067179	5.865890	8.512727	5.13	36882.159400	1.058988e+06	9127 Elizabeth Stravenue\nDanieltown, WI 06482	
3	63345.240046	7.188236	5.586729	3.26	34310.242831	1.260617e+06	USS Barnett\nFPO AP 44820	

## housing.info()

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 5000 entries, 0 to 4999
Data columns (total 7 columns):
```

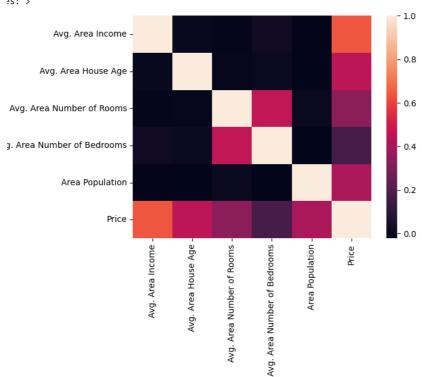
#	Column	Non-Null Count	Dtype
-,-,-			
0	Avg. Area Income	5000 non-null	float64
1	Avg. Area House Age	5000 non-null	float64
2	Avg. Area Number of Rooms	5000 non-null	float64
3	Avg. Area Number of Bedrooms	5000 non-null	float64
4	Area Population	5000 non-null	float64
5	Price	5000 non-null	float64
6	Address	5000 non-null	object

dtypes: float64(6), object(1)
memory usage: 273.6+ KB

## housing.columns

```
sns.distplot(housing['Price'])
```

/thon-input-7-1d71bdbeb7e3>:1: FutureWarning: The default value of numeric\_only in Dat
is.heatmap(housing.corr())
es: >



Coefficient ==

predictions = lm.predict(X\_test)
plt.scatter(y\_test,predictions)

<matplotlib.collections.PathCollection at 0x789f25d41de0>

