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In [1]: import pandas as pd
```

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In [20]: import numpy as np
```

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In [22]: import statistics as st
```

```
In [23]: dataset = pd.read_csv(r'C:\Users\Dell\dsbda\housing.csv')
```

```
In [25]: dataset.mean()
```

```
Out[25]: Avg. Area Income          6.858311e+04  
Avg. Area House Age          5.977222e+00  
Avg. Area Number of Rooms    6.987792e+00  
Avg. Area Number of Bedrooms 3.981330e+00  
Area Population              3.616352e+04  
Price                        1.232073e+06  
dtype: float64
```

```
In [26]: dataset.mode()
```

Out[26]:

	Avg. Area Income	Avg. Area House Age	Avg. Area Number of Rooms	Avg. Area Number of Bedrooms	Area Population	Price	Address:
0	17796.63119	2.644304	3.236194	4.38	172.610686	1.593866e+04	000 Adkin: Crescent\nSouth Teresa, AS 49642 1341
1	35454.71466	2.683043	3.950225	NaN	3285.450538	3.114052e+04	000 Tod: Pines\nAshleyberg KY 90207-1171
2	35608.98624	2.797215	3.950973	NaN	3883.448164	8.859177e+04	001 Steve Plaza\nJessicastad UT 25190
3	35797.32312	2.797619	3.969632	NaN	4114.489353	1.430274e+05	0010 Gregor: Loaf\nSouth Ericfort, VA 34651 0711
4	35963.33081	2.922736	4.027931	NaN	5727.485885	1.515271e+05	00149 Raymon: Knolls\nNew Jason UT 75021
...
4995	101599.67060	8.973441	10.024375	NaN	68311.695820	2.318286e+06	Unit 9774 Bo: 4511\nDPO AF 44961
4996	101928.85810	8.991399	10.144988	NaN	69553.988330	2.330290e+06	Unit 9778 Bo: 2114\nDPO AF 59371
4997	102881.12090	9.008900	10.219902	NaN	69575.449460	2.332111e+06	Unit 9785 Bo: 0790\nDPO AF 60371-0791
4998	104702.72430	9.125283	10.280022	NaN	69592.040240	2.370231e+06	Unit 9831 Bo: 7128\nDPO A/ 54701
4999	107701.74840	9.519088	10.759588	NaN	69621.713380	2.469066e+06	Unit 9871 Bo: 9037\nDPO AF 37275-9281

5000 rows × 7 columns



In [27]: `dataset.median()`

```
Out[27]: Avg. Area Income      6.880429e+04
Avg. Area House Age      5.970429e+00
Avg. Area Number of Rooms 7.002902e+00
Avg. Area Number of Bedrooms 4.050000e+00
Area Population      3.619941e+04
Price      1.232669e+06
dtype: float64
```

In [32]: `dataset.skew()`

```
Out[32]: Avg. Area Income      -0.033720
Avg. Area House Age      -0.007214
Avg. Area Number of Rooms -0.040996
Avg. Area Number of Bedrooms 0.376240
Area Population      0.050650
Price      -0.002718
dtype: float64
```

In [33]: `dataset.std()`

```
Out[33]: Avg. Area Income      10657.991214
Avg. Area House Age      0.991456
Avg. Area Number of Rooms 1.005833
Avg. Area Number of Bedrooms 1.234137
Area Population      9925.650114
Price      353117.626584
dtype: float64
```

In [35]: `dataset.pstdev()`

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AttributeError                                Traceback (most recent call last)
<ipython-input-35-f189c2fc8cd7> in <module>
----> 1 dataset.pstdev()

~\anaconda3\lib\site-packages\pandas\core\generic.py in __getattr__(self, name)
    5463         if self._info_axis._can_hold_identifiers_and_holds_name(name):
    5464             return self[name]
-> 5465         return object.__getattribute__(self, name)
    5466
    5467     def __setattr__(self, name: str, value) -> None:

AttributeError: 'DataFrame' object has no attribute 'pstdev'
```

In []:

