```
In [3]: import pandas as pd
 In [4]: data= pd.read_csv('/home/placement/Desktop/fiat500.csv')
In [19]: print(data)
                 ID
                      model
                  1 lounge
         0
         1
                  2
                        pop
                      sport
         3
                     lounge
                  5
                        pop
                        . . .
               1534
         1533
                      sport
         1534 1535
                     lounge
         1535 1536
                        pop
         1536 1537
                     lounge
         1537 1538
                        pop
         [1538 rows x 2 columns]
```

In [6]: data.head(10)

| _ | | | | ~ 7 | |
|-------|-----|----|----|-----|--|
| - () | 11 | - | 1 | h | |
| ·u | ··· | ıL | | u | |
| | | | ь. | _ | |

| | ID | model | engine_power | age_in_days | km | previous_owners | lat | lon | price |
|-----------------------|-----------------------|---|----------------------------|-------------------------------------|--|-----------------|---|---|----------------------------------|
| 0 | 1 | lounge | 51 | 882 | 25000 | 1 | 44.907242 | 8.611560 | 8900 |
| 1 | 2 | pop | 51 | 1186 | 32500 | 1 | 45.666359 | 12.241890 | 8800 |
| 2 | 3 | sport | 74 | 4658 | 142228 | 1 | 45.503300 | 11.417840 | 4200 |
| 3 | 4 | lounge | 51 | 2739 | 160000 | 1 | 40.633171 | 17.634609 | 6000 |
| 4 | 5 | pop | 73 | 3074 | 106880 | 1 | 41.903221 | 12.495650 | 5700 |
| 5 | 6 | pop | 74 | 3623 | 70225 | 1 | 45.000702 | 7.682270 | 7900 |
| 6 | 7 | lounge | 51 | 731 | 11600 | 1 | 44.907242 | 8.611560 | 10750 |
| 7 | 8 | lounge | 51 | 1521 | 49076 | 1 | 41.903221 | 12.495650 | 9190 |
| 8 | 9 | sport | 73 | 4049 | 76000 | 1 | 45.548000 | 11.549470 | 5600 |
| 9 | 10 | sport | 51 | 3653 | 89000 | 1 | 45.438301 | 10.991700 | 6000 |
| 4 5 6 7 8 | 5 6 7 8 9 | pop pop lounge lounge sport | 73 74 51 51 73 | 3074 3623 731 1521 4049 | 106880 70225 11600 49076 76000 | _ | 41.903221 45.000702 44.907242 41.903221 45.548000 | 12.495650 7.682270 8.611560 12.495650 11.549470 | 570 790 1075 919 560 |

In [7]: data.tail(10)

Out[7]:

| | ID | model | engine_power | age_in_days | km | previous_owners | lat | lon | price |
|------|------|--------|--------------|-------------|--------|-----------------|-----------|----------|-------|
| 1528 | 1529 | lounge | 51 | 2861 | 126000 | 1 | 43.841980 | 10.51531 | 5500 |
| 1529 | 1530 | lounge | 51 | 731 | 22551 | 1 | 38.122070 | 13.36112 | 9900 |
| 1530 | 1531 | lounge | 51 | 670 | 29000 | 1 | 45.764648 | 8.99450 | 10800 |
| 1531 | 1532 | sport | 73 | 4505 | 127000 | 1 | 45.528511 | 9.59323 | 4750 |
| 1532 | 1533 | pop | 51 | 1917 | 52008 | 1 | 45.548000 | 11.54947 | 9900 |
| 1533 | 1534 | sport | 51 | 3712 | 115280 | 1 | 45.069679 | 7.70492 | 5200 |
| 1534 | 1535 | lounge | 74 | 3835 | 112000 | 1 | 45.845692 | 8.66687 | 4600 |
| 1535 | 1536 | pop | 51 | 2223 | 60457 | 1 | 45.481541 | 9.41348 | 7500 |
| 1536 | 1537 | lounge | 51 | 2557 | 80750 | 1 | 45.000702 | 7.68227 | 5990 |
| 1537 | 1538 | рор | 51 | 1766 | 54276 | 1 | 40.323410 | 17.56827 | 7900 |

In [8]: data.describe()

Out[8]:

| | ID | engine_power | age_in_days | km | previous_owners | lat | lon | price |
|-------|-------------|--------------|-------------|---------------|-----------------|-------------|-------------|--------------|
| count | 1538.000000 | 1538.000000 | 1538.000000 | 1538.000000 | 1538.000000 | 1538.000000 | 1538.000000 | 1538.000000 |
| mean | 769.500000 | 51.904421 | 1650.980494 | 53396.011704 | 1.123537 | 43.541361 | 11.563428 | 8576.003901 |
| std | 444.126671 | 3.988023 | 1289.522278 | 40046.830723 | 0.416423 | 2.133518 | 2.328190 | 1939.958641 |
| min | 1.000000 | 51.000000 | 366.000000 | 1232.000000 | 1.000000 | 36.855839 | 7.245400 | 2500.000000 |
| 25% | 385.250000 | 51.000000 | 670.000000 | 20006.250000 | 1.000000 | 41.802990 | 9.505090 | 7122.500000 |
| 50% | 769.500000 | 51.000000 | 1035.000000 | 39031.000000 | 1.000000 | 44.394096 | 11.869260 | 9000.000000 |
| 75% | 1153.750000 | 51.000000 | 2616.000000 | 79667.750000 | 1.000000 | 45.467960 | 12.769040 | 10000.000000 |
| max | 1538.000000 | 77.000000 | 4658.000000 | 235000.000000 | 4.000000 | 46.795612 | 18.365520 | 11100.000000 |

In [9]: data.shape

Out[9]: (1538, 9)

| In [10]: | data. | sort | _value | s("ID") | | | | | | | |
|----------|--------|--|---------|--------------|-------------|--------|-----------------|-----------|-----------|-------|--|
| Out[10]: | | ID | model | engine_power | age_in_days | km | previous_owners | lat | lon | price | |
| | 0 | 1 | lounge | 51 | 882 | 25000 | 1 | 44.907242 | 8.611560 | 8900 | |
| | 1 | 2 | pop | 51 | 1186 | 32500 | 1 | 45.666359 | 12.241890 | 8800 | |
| | 2 | 3 | sport | 74 | 4658 | 142228 | 1 | 45.503300 | 11.417840 | 4200 | |
| | 3 | 4 | lounge | 51 | 2739 | 160000 | 1 | 40.633171 | 17.634609 | 6000 | |
| | 4 | 5 | pop | 73 | 3074 | 106880 | 1 | 41.903221 | 12.495650 | 5700 | |
| | | | | | | | | | | | |
| | 1533 | 1534 | sport | 51 | 3712 | 115280 | 1 | 45.069679 | 7.704920 | 5200 | |
| | 1534 | 1535 | lounge | 74 | 3835 | 112000 | 1 | 45.845692 | 8.666870 | 4600 | |
| | 1535 | 1536 | pop | 51 | 2223 | 60457 | 1 | 45.481541 | 9.413480 | 7500 | |
| | 1536 | 1537 | lounge | 51 | 2557 | 80750 | 1 | 45.000702 | 7.682270 | 5990 | |
| | 1537 | 1538 | pop | 51 | 1766 | 54276 | 1 | 40.323410 | 17.568270 | 7900 | |
| | 1538 r | ows × | 9 colun | nns | | | | | | | |
| In [11]: | data. | colu | mns | | | | | | | | |
| Out[11]: | Index | <pre>Index(['ID', 'model', 'engine_power', 'age_in_days', 'km', 'previous_owners',</pre> | | | | | | | | | |
| In [12]: | data. | inde | x | | | | | | | | |
| Out[12]: | Range | eInde | x(star | t=0, stop=1 | .538, step= | :1) | | | | | |

```
In [13]: | data=data.loc[:,['ID','model']]
          data.head(10)
Out[13]:
             ID model
           0 1 lounge
              2
                  pop
              3
                 sport
              4 lounge
              5
                  pop
                  pop
             7 lounge
                lounge
              8
                 sport
           9 10
                 sport
In [14]: | x=pd.DataFrame(data['ID'])
          y=pd.DataFrame(data['model'])
          x.size,y.size
Out[14]: (1538, 1538)
In [16]: data.ndim
Out[16]: 2
In [17]: data.sample()
Out[17]:
                ID model
           497 498 lounge
```

```
In [20]: data.dtypes
Out[20]: ID
                    int64
         model
                   object
         dtype: object
         import pandas as pd
In [20]:
         import numpy as np
         data= pd.read csv('/home/placement/Desktop/fiat500.csv')
         print(data)
                  ID
                       model
                               engine power age in days
                                                                    previous owners \
          0
                   1
                      lounge
                                         51
                                                      882
                                                            25000
                                                                                   1
                                         51
                                                     1186
                                                            32500
          1
                   2
                         pop
                                                                                   1
          2
                   3
                                         74
                                                     4658
                                                           142228
                                                                                   1
                       sport
          3
                                         51
                                                           160000
                   4
                      lounge
                                                     2739
                                                                                   1
          4
                   5
                                         73
                                                     3074
                                                           106880
                         pop
                                                                                   1
                 . . .
                         . . .
                                         . . .
                                                      . . .
                                                               . . .
          . . .
          1533
                1534
                                         51
                                                     3712
                                                           115280
                       sport
                                                                                   1
         1534
                1535
                                         74
                                                     3835
                                                           112000
                      lounge
                                                                                   1
         1535
                1536
                                         51
                                                     2223
                                                            60457
                                                                                   1
                         pop
         1536
               1537
                      lounge
                                         51
                                                     2557
                                                            80750
                                                                                   1
         1537 1538
                         pop
                                         51
                                                     1766
                                                            54276
                      lat
                                  lon
                                       price
                44.907242
                                        8900
          0
                             8.611560
                45.666359
                           12.241890
          1
                                        8800
          2
                45.503300
                           11.417840
                                        4200
                40.633171
                           17.634609
                                        6000
          3
                41.903221
                           12.495650
                                        5700
          4
         1533
                45.069679
                             7.704920
                                        5200
         1534
                45.845692
                            8.666870
                                        4600
         1535
                45.481541
                             9.413480
                                        7500
         1536 45.000702
                            7.682270
                                        5990
         1537
                40.323410
                           17.568270
                                        7900
          [1538 rows x 9 columns]
```

```
data.dtypes
In [21]:
Out[21]: ID
                                      int64
           model
                                     object
                                      int64
           engine power
           age in days
                                      int64
                                      int64
            km
                                      int64
           previous owners
                                   float64
            lat
                                   float64
            lon
           price
                                      int64
           dtype: object
           data.describe()
In [22]:
Out[22]:
                            ID engine_power age_in_days
                                                                    km previous owners
                                                                                                 lat
                                                                                                             lon
                                                                                                                        price
             count 1538.000000
                                 1538.000000
                                             1538.000000
                                                            1538.000000
                                                                            1538.000000
                                                                                        1538.000000 1538.000000
                                                                                                                  1538.000000
                    769.500000
                                                                               1.123537
                                                                                           43.541361
             mean
                                   51.904421 1650.980494
                                                           53396.011704
                                                                                                       11.563428
                                                                                                                  8576.003901
                                                                                                        2.328190
               std
                    444.126671
                                    3.988023
                                             1289.522278
                                                           40046.830723
                                                                               0.416423
                                                                                           2.133518
                                                                                                                  1939.958641
                      1.000000
                                   51.000000
                                              366.000000
                                                           1232.000000
                                                                               1.000000
                                                                                           36.855839
                                                                                                        7.245400
                                                                                                                  2500.000000
              min
              25%
                    385.250000
                                   51.000000
                                              670.000000
                                                           20006.250000
                                                                               1.000000
                                                                                           41.802990
                                                                                                        9.505090
                                                                                                                  7122.500000
              50%
                    769.500000
                                   51.000000
                                             1035.000000
                                                           39031.000000
                                                                               1.000000
                                                                                           44.394096
                                                                                                       11.869260
                                                                                                                  9000.000000
                   1153.750000
                                             2616.000000
                                                           79667.750000
                                                                                           45.467960
                                                                                                       12.769040
                                   51.000000
                                                                               1.000000
                                                                                                                 10000.000000
              max 1538.000000
                                                                               4.000000
                                                                                           46.795612
                                                                                                                 11100.000000
                                   77.000000
                                             4658.000000
                                                          235000.000000
                                                                                                       18.365520
In [23]: data['previous_owners'].unique()
```

Out[23]: array([1, 2, 3, 4])

```
In [24]: |list(data.columns)
Out[24]: ['ID',
            'model',
            'engine power',
            'age in days',
            'km',
            'previous_owners',
            'lat',
            'lon',
            'price']
In [25]: |data.groupby(['model']).count()
Out[25]:
                    ID engine_power age_in_days
                                                 km previous_owners
                                                                      lat
                                                                           lon price
            model
           lounge 1094
                               1094
                                           1094 1094
                                                               1094 1094 1094
                                                                               1094
              pop
                   358
                                358
                                            358
                                                 358
                                                                358
                                                                     358
                                                                          358
                                                                                358
                    86
                                 86
                                            86
                                                 86
                                                                 86
                                                                      86
                                                                           86
                                                                                 86
            sport
In [26]: data.groupby(['previous_owners']).count()
Out[26]:
                            ID model engine_power age_in_days
                                                                          lon price
                                                               km
                                                                     lat
           previous_owners
                        1 1389
                                 1389
                                             1389
                                                         1389
                                                              1389 1389
                                                                        1389
                                                                               1389
                        2
                           117
                                  117
                                               117
                                                                     117
                                                                          117
                                                                               117
                                                          117
                                                               117
                                               23
                        3
                            23
                                   23
                                                           23
                                                                23
                                                                      23
                                                                           23
                                                                                23
                                   9
                                                9
                                                            9
                                                                 9
                             9
                                                                      9
                                                                            9
                                                                                 9
```

```
In [27]: data.iloc[0]
Out[27]: ID
                                     1
         model
                                lounge
         engine_power
                                    51
                                   882
         age_in_days
                                 25000
         km
         previous_owners
                                     1
         lat
                            44.907242
                               8.61156
         lon
         price
                                  8900
         Name: 0, dtype: object
In [28]: | data1= data.drop(['lat','ID'],axis=1)
         data1= data.drop(['lon','ID'],axis=1)
```

```
In [29]: |print(data)
```

```
ID
              model
                     engine power age in days
                                                       km previous owners \
0
          1
            lounge
                                51
                                             882
                                                    25000
                                                                           1
                                51
                                            1186
                                                    32500
1
          2
                                                                           1
                pop
2
                                74
                                            4658
                                                  142228
          3
              sport
                                                                           1
                                51
3
          4
             lounge
                                            2739
                                                  160000
                                                                           1
          5
                                73
                                            3074
                                                  106880
                                                                           1
4
                pop
       . . .
                . . .
                                . . .
                                             . . .
                                                      . . .
. . .
                                                                         . . .
1533
      1534
                                51
                                            3712
                                                  115280
              sport
                                                                           1
      1535
                                            3835
1534
             lounge
                                74
                                                  112000
                                                                           1
1535
      1536
                                            2223
                                51
                                                    60457
                pop
                                                                           1
1536
      1537
            lounge
                                51
                                            2557
                                                    80750
                                                                           1
1537
      1538
                                51
                                            1766
                                                    54276
                                                                           1
                pop
             lat
                        lon
                              price
      44.907242
                   8.611560
                               8900
0
      45.666359
                  12.241890
                               8800
1
2
      45.503300
                  11.417840
                               4200
3
      40.633171
                  17.634609
                               6000
4
      41.903221
                  12.495650
                               5700
                                . . .
1533
      45.069679
                   7.704920
                               5200
1534
      45.845692
                   8.666870
                               4600
      45.481541
1535
                   9.413480
                               7500
1536
      45.000702
                   7.682270
                               5990
1537
      40.323410
                  17.568270
                               7900
```

[1538 rows x 9 columns]

```
In [30]: |print(data1)
                                                             previous_owners
                 model
                        engine power age in days
                                                                                     lat \
         0
                lounge
                                  51
                                               882
                                                      25000
                                                                            1 44.907242
         1
                                  51
                                              1186
                                                      32500
                                                                            1 45.666359
                   pop
          2
                                   74
                                              4658
                                                    142228
                                                                            1 45.503300
                 sport
          3
                                   51
                                              2739
                                                    160000
                                                                            1 40.633171
                lounge
                                   73
                                              3074
                                                    106880
                                                                            1 41.903221
          4
                   pop
                                               . . .
          . . .
                   . . .
                                  . . .
                                              3712 115280
         1533
                 sport
                                  51
                                                                            1 45.069679
         1534
                                              3835
                lounge
                                  74
                                                    112000
                                                                            1 45.845692
         1535
                                              2223
                                                     60457
                                                                           1 45.481541
                                   51
                   pop
         1536
                lounge
                                  51
                                              2557
                                                      80750
                                                                            1 45.000702
         1537
                                   51
                                              1766
                                                      54276
                                                                           1 40.323410
                   pop
                price
                 8900
         0
                 8800
         1
         2
                 4200
          3
                 6000
                 5700
          4
                  . . .
         1533
                 5200
         1534
                 4600
         1535
                 7500
         1536
                 5990
         1537
                 7900
         [1538 rows x 7 columns]
In [31]: | data['price'].sum()
```

Out[31]: 13189894

In [32]: data2=data.loc[(data.model=='lounge')&(data.previous_owners==1)]
 data2

| | , , | |
|------|---------|--|
| | _ | |
| | | |

| | ID | model | engine_power | age_in_days | km | previous_owners | lat | lon | price |
|------|------|--------|--------------|-------------|--------|-----------------|-----------|-----------|-------|
| 0 | 1 | lounge | 51 | 882 | 25000 | 1 | 44.907242 | 8.611560 | 8900 |
| 3 | 4 | lounge | 51 | 2739 | 160000 | 1 | 40.633171 | 17.634609 | 6000 |
| 6 | 7 | lounge | 51 | 731 | 11600 | 1 | 44.907242 | 8.611560 | 10750 |
| 7 | 8 | lounge | 51 | 1521 | 49076 | 1 | 41.903221 | 12.495650 | 9190 |
| 11 | 12 | lounge | 51 | 366 | 17500 | 1 | 45.069679 | 7.704920 | 10990 |
| | | | | | | | | | |
| 1528 | 1529 | lounge | 51 | 2861 | 126000 | 1 | 43.841980 | 10.515310 | 5500 |
| 1529 | 1530 | lounge | 51 | 731 | 22551 | 1 | 38.122070 | 13.361120 | 9900 |
| 1530 | 1531 | lounge | 51 | 670 | 29000 | 1 | 45.764648 | 8.994500 | 10800 |
| 1534 | 1535 | lounge | 74 | 3835 | 112000 | 1 | 45.845692 | 8.666870 | 4600 |
| 1536 | 1537 | lounge | 51 | 2557 | 80750 | 1 | 45.000702 | 7.682270 | 5990 |
| | | | | | | | | | |

993 rows × 9 columns

```
In [33]: data['km']<50000
```

```
Out[33]: 0
                  True
                  True
         1
         2
                 False
         3
                 False
         4
                 False
                 False
         1533
         1534
                 False
         1535
                 False
         1536
                 False
```

1537

Name: km, Length: 1538, dtype: bool

False

In [34]: data3=data[data['km']<50000]
 data3</pre>

Out[34]:

| | ID | model | engine_power | age_in_days | km | previous_owners | lat | lon | price |
|------|------|--------|--------------|-------------|-------|-----------------|-----------|----------|-------|
| 0 | 1 | lounge | 51 | 882 | 25000 | 1 | 44.907242 | 8.61156 | 8900 |
| 1 | 2 | pop | 51 | 1186 | 32500 | 1 | 45.666359 | 12.24189 | 8800 |
| 6 | 7 | lounge | 51 | 731 | 11600 | 1 | 44.907242 | 8.61156 | 10750 |
| 7 | 8 | lounge | 51 | 1521 | 49076 | 1 | 41.903221 | 12.49565 | 9190 |
| 10 | 11 | pop | 51 | 790 | 43286 | 1 | 40.871429 | 14.43896 | 8950 |
| | | | | | | | | | |
| 1525 | 1526 | lounge | 51 | 790 | 41870 | 1 | 45.707249 | 11.47760 | 9500 |
| 1526 | 1527 | lounge | 51 | 1705 | 23600 | 1 | 38.122070 | 13.36112 | 9300 |
| 1527 | 1528 | pop | 51 | 517 | 3000 | 1 | 40.748241 | 14.52835 | 9999 |
| 1529 | 1530 | lounge | 51 | 731 | 22551 | 1 | 38.122070 | 13.36112 | 9900 |
| 1530 | 1531 | lounge | 51 | 670 | 29000 | 1 | 45.764648 | 8.99450 | 10800 |

900 rows × 9 columns

In [35]: data

| \sim | | |
|------------|-----|--------|
| <i>1</i> 1 | | 1 25 1 |
| 11 | | |
| _ | ~ - | |

| | ID | model | engine_power | age_in_days | km | previous_owners | lat | lon | price |
|------|------|--------|--------------|-------------|--------|-----------------|-----------|-----------|-------|
| 0 | 1 | lounge | 51 | 882 | 25000 | 1 | 44.907242 | 8.611560 | 8900 |
| 1 | 2 | рор | 51 | 1186 | 32500 | 1 | 45.666359 | 12.241890 | 8800 |
| 2 | 3 | sport | 74 | 4658 | 142228 | 1 | 45.503300 | 11.417840 | 4200 |
| 3 | 4 | lounge | 51 | 2739 | 160000 | 1 | 40.633171 | 17.634609 | 6000 |
| 4 | 5 | pop | 73 | 3074 | 106880 | 1 | 41.903221 | 12.495650 | 5700 |
| | | | | | | | | | |
| 1533 | 1534 | sport | 51 | 3712 | 115280 | 1 | 45.069679 | 7.704920 | 5200 |
| 1534 | 1535 | lounge | 74 | 3835 | 112000 | 1 | 45.845692 | 8.666870 | 4600 |
| 1535 | 1536 | рор | 51 | 2223 | 60457 | 1 | 45.481541 | 9.413480 | 7500 |
| 1536 | 1537 | lounge | 51 | 2557 | 80750 | 1 | 45.000702 | 7.682270 | 5990 |
| 1537 | 1538 | рор | 51 | 1766 | 54276 | 1 | 40.323410 | 17.568270 | 7900 |
| | | | | | | | | | |

1538 rows × 9 columns

In [39]: data7=data.drop(['model'],axis=1)

In [40]: data7

| Λ. | | Г / | \sim 1 | |
|-----|-----|-------|----------|--|
| 111 | IT. | I /II | (-) I | |
| U | a c | ידו | U J | |

| | ID | engine_power | age_in_days | km | previous_owners | lat | lon | price |
|------|------|--------------|-------------|--------|-----------------|-----------|-----------|-------|
| 0 | 1 | 51 | 882 | 25000 | 1 | 44.907242 | 8.611560 | 8900 |
| 1 | 2 | 51 | 1186 | 32500 | 1 | 45.666359 | 12.241890 | 8800 |
| 2 | 3 | 74 | 4658 | 142228 | 1 | 45.503300 | 11.417840 | 4200 |
| 3 | 4 | 51 | 2739 | 160000 | 1 | 40.633171 | 17.634609 | 6000 |
| 4 | 5 | 73 | 3074 | 106880 | 1 | 41.903221 | 12.495650 | 5700 |
| | | | | | | | | |
| 1533 | 1534 | 51 | 3712 | 115280 | 1 | 45.069679 | 7.704920 | 5200 |
| 1534 | 1535 | 74 | 3835 | 112000 | 1 | 45.845692 | 8.666870 | 4600 |
| 1535 | 1536 | 51 | 2223 | 60457 | 1 | 45.481541 | 9.413480 | 7500 |
| 1536 | 1537 | 51 | 2557 | 80750 | 1 | 45.000702 | 7.682270 | 5990 |
| 1537 | 1538 | 51 | 1766 | 54276 | 1 | 40.323410 | 17.568270 | 7900 |
| | | | | | | | | |

1538 rows × 8 columns

In [41]: data7.corr()

Out[41]:

| | ID | engine_power | age_in_days | km | previous_owners | lat | lon | price |
|-----------------|-----------|--------------|-------------|-----------|-----------------|-----------|-----------|-----------|
| ID | 1.000000 | -0.034059 | -0.060753 | -0.006537 | 0.007803 | -0.058207 | 0.058941 | 0.028516 |
| engine_power | -0.034059 | 1.000000 | 0.319190 | 0.285495 | -0.005030 | 0.005721 | -0.005032 | -0.277235 |
| age_in_days | -0.060753 | 0.319190 | 1.000000 | 0.833890 | 0.075775 | 0.062982 | -0.042667 | -0.893328 |
| km | -0.006537 | 0.285495 | 0.833890 | 1.000000 | 0.097539 | 0.035519 | 0.004839 | -0.859373 |
| previous_owners | 0.007803 | -0.005030 | 0.075775 | 0.097539 | 1.000000 | 0.001697 | -0.026836 | -0.076274 |
| lat | -0.058207 | 0.005721 | 0.062982 | 0.035519 | 0.001697 | 1.000000 | -0.766646 | -0.011733 |
| Ion | 0.058941 | -0.005032 | -0.042667 | 0.004839 | -0.026836 | -0.766646 | 1.000000 | -0.003541 |
| price | 0.028516 | -0.277235 | -0.893328 | -0.859373 | -0.076274 | -0.011733 | -0.003541 | 1.000000 |

15/16

In []: