

```
In [1]: import pandas as pd
df = pd.read_csv('House Price India.csv')
print(df.head())
print(df.describe())
print(df['Price'].describe())
print(df.mean())
print(df.median())
print(df.mode())
print(df.var())
print(df.std())
print(df.corr())
import matplotlib.pyplot as plt

plt.hist(df['Price'])
plt.show()
```

| | id | Date | number of bedrooms | number of bathrooms | living area | \ |
|---|------------|-------|--------------------|---------------------|-------------|---|
| 0 | 6762810145 | 42491 | 5 | 2.50 | 3650 | |
| 1 | 6762810635 | 42491 | 4 | 2.50 | 2920 | |
| 2 | 6762810998 | 42491 | 5 | 2.75 | 2910 | |
| 3 | 6762812605 | 42491 | 4 | 2.50 | 3310 | |
| 4 | 6762812919 | 42491 | 3 | 2.00 | 2710 | |

| | lot area | number of floors | waterfront present | number of views | \ |
|---|----------|------------------|--------------------|-----------------|---|
| 0 | 9050 | 2.0 | 0 | 4 | |
| 1 | 4000 | 1.5 | 0 | 0 | |
| 2 | 9480 | 1.5 | 0 | 0 | |
| 3 | 42998 | 2.0 | 0 | 0 | |
| 4 | 4500 | 1.5 | 0 | 0 | |

| | condition of the house | ... | Built Year | Renovation Year | Postal Code | \ |
|---|------------------------|-----|------------|-----------------|-------------|---|
| 0 | 5 | ... | 1921 | 0 | 122003 | |
| 1 | 5 | ... | 1909 | 0 | 122004 | |
| 2 | 3 | ... | 1939 | 0 | 122004 | |
| 3 | 3 | ... | 2001 | 0 | 122005 | |
| 4 | 4 | ... | 1929 | 0 | 122006 | |

| | Latitude | Longitude | living_area_renov | lot_area_renov | \ |
|---|----------|-----------|-------------------|----------------|---|
| 0 | 52.8645 | -114.557 | 2880 | 5400 | |
| 1 | 52.8878 | -114.470 | 2470 | 4000 | |
| 2 | 52.8852 | -114.468 | 2940 | 6600 | |
| 3 | 52.9532 | -114.321 | 3350 | 42847 | |
| 4 | 52.9047 | -114.485 | 2060 | 4500 | |

| | Number of schools nearby | Distance from the airport | Price |
|---|--------------------------|---------------------------|---------|
| 0 | 2 | 58 | 2380000 |
| 1 | 2 | 51 | 1400000 |
| 2 | 1 | 53 | 1200000 |
| 3 | 3 | 76 | 838000 |
| 4 | 1 | 51 | 805000 |

[5 rows x 23 columns]

| | id | Date | number of bedrooms | number of bathrooms | \ |
|-------|--------------|--------------|--------------------|---------------------|---|
| count | 1.462000e+04 | 14620.000000 | 14620.000000 | 14620.000000 | |
| mean | 6.762821e+09 | 42604.538646 | 3.379343 | 2.129583 | |
| std | 6.237575e+03 | 67.347991 | 0.938719 | 0.769934 | |
| min | 6.762810e+09 | 42491.000000 | 1.000000 | 0.500000 | |
| 25% | 6.762815e+09 | 42546.000000 | 3.000000 | 1.750000 | |
| 50% | 6.762821e+09 | 42600.000000 | 3.000000 | 2.250000 | |
| 75% | 6.762826e+09 | 42662.000000 | 4.000000 | 2.500000 | |
| max | 6.762832e+09 | 42734.000000 | 33.000000 | 8.000000 | |

| | living area | lot area | number of floors | waterfront present | \ |
|-------|--------------|--------------|------------------|--------------------|---|
| count | 14620.000000 | 1.462000e+04 | 14620.000000 | 14620.000000 | |
| mean | 2098.262996 | 1.509328e+04 | 1.502360 | 0.007661 | |
| std | 928.275721 | 3.791962e+04 | 0.540239 | 0.087193 | |
| min | 370.000000 | 5.200000e+02 | 1.000000 | 0.000000 | |
| 25% | 1440.000000 | 5.010750e+03 | 1.000000 | 0.000000 | |
| 50% | 1930.000000 | 7.620000e+03 | 1.500000 | 0.000000 | |
| 75% | 2570.000000 | 1.080000e+04 | 2.000000 | 0.000000 | |
| max | 13540.000000 | 1.074218e+06 | 3.500000 | 1.000000 | |

| | number of views | condition of the house | ... | Built Year | \ |
|-------|-----------------|------------------------|-----|--------------|---|
| count | 14620.000000 | 14620.000000 | ... | 14620.000000 | |
| mean | 0.233105 | 3.430506 | ... | 1970.926402 | |
| std | 0.766259 | 0.664151 | ... | 29.493625 | |
| min | 0.000000 | 1.000000 | ... | 1900.000000 | |
| 25% | 0.000000 | 3.000000 | ... | 1951.000000 | |
| 50% | 0.000000 | 3.000000 | ... | 1975.000000 | |
| 75% | 0.000000 | 4.000000 | ... | 1997.000000 | |

max 4.000000 5.000000 ... 2015.000000

| | Renovation Year | Postal Code | Latitude | Longitude \ |
|-------|-----------------|---------------|--------------|--------------|
| count | 14620.000000 | 14620.000000 | 14620.000000 | 14620.000000 |
| mean | 90.924008 | 122033.062244 | 52.792848 | -114.404007 |
| std | 416.216661 | 19.082418 | 0.137522 | 0.141326 |
| min | 0.000000 | 122003.000000 | 52.385900 | -114.709000 |
| 25% | 0.000000 | 122017.000000 | 52.707600 | -114.519000 |
| 50% | 0.000000 | 122032.000000 | 52.806400 | -114.421000 |
| 75% | 0.000000 | 122048.000000 | 52.908900 | -114.315000 |
| max | 2015.000000 | 122072.000000 | 53.007600 | -113.505000 |

| | living_area_renov | lot_area_renov | Number of schools nearby \ |
|-------|-------------------|----------------|----------------------------|
| count | 14620.000000 | 14620.000000 | 14620.000000 |
| mean | 1996.702257 | 12753.500068 | 2.012244 |
| std | 691.093366 | 26058.414467 | 0.817284 |
| min | 460.000000 | 651.000000 | 1.000000 |
| 25% | 1490.000000 | 5097.750000 | 1.000000 |
| 50% | 1850.000000 | 7620.000000 | 2.000000 |
| 75% | 2380.000000 | 10125.000000 | 3.000000 |
| max | 6110.000000 | 560617.000000 | 3.000000 |

| | Distance from the airport | Price |
|-------|---------------------------|--------------|
| count | 14620.000000 | 1.462000e+04 |
| mean | 64.950958 | 5.389322e+05 |
| std | 8.936008 | 3.675324e+05 |
| min | 50.000000 | 7.800000e+04 |
| 25% | 57.000000 | 3.200000e+05 |
| 50% | 65.000000 | 4.500000e+05 |
| 75% | 73.000000 | 6.450000e+05 |
| max | 80.000000 | 7.700000e+06 |

[8 rows x 23 columns]

| | |
|-------|--------------|
| count | 1.462000e+04 |
| mean | 5.389322e+05 |
| std | 3.675324e+05 |
| min | 7.800000e+04 |
| 25% | 3.200000e+05 |
| 50% | 4.500000e+05 |
| 75% | 6.450000e+05 |
| max | 7.700000e+06 |

Name: Price, dtype: float64

| | |
|---------------------------------------|---------------|
| id | 6.762821e+09 |
| Date | 4.260454e+04 |
| number of bedrooms | 3.379343e+00 |
| number of bathrooms | 2.129583e+00 |
| living area | 2.098263e+03 |
| lot area | 1.509328e+04 |
| number of floors | 1.502360e+00 |
| waterfront present | 7.660739e-03 |
| number of views | 2.331053e-01 |
| condition of the house | 3.430506e+00 |
| grade of the house | 7.682421e+00 |
| Area of the house(excluding basement) | 1.801784e+03 |
| Area of the basement | 2.964791e+02 |
| Built Year | 1.970926e+03 |
| Renovation Year | 9.092401e+01 |
| Postal Code | 1.220331e+05 |
| Latitude | 5.279285e+01 |
| Longitude | -1.144040e+02 |
| living_area_renov | 1.996702e+03 |
| lot_area_renov | 1.275350e+04 |
| Number of schools nearby | 2.012244e+00 |
| Distance from the airport | 6.495096e+01 |

```

Price                    5.389322e+05
dtype: float64
id                      6.762821e+09
Date                   4.260000e+04
number of bedrooms     3.000000e+00
number of bathrooms    2.250000e+00
living area            1.930000e+03
lot area               7.620000e+03
number of floors       1.500000e+00
waterfront present     0.000000e+00
number of views        0.000000e+00
condition of the house 3.000000e+00
grade of the house     7.000000e+00
Area of the house(excluding basement) 1.580000e+03
Area of the basement   0.000000e+00
Built Year             1.975000e+03
Renovation Year        0.000000e+00
Postal Code            1.220320e+05
Latitude               5.280640e+01
Longitude              -1.144210e+02
living_area_renov      1.850000e+03
lot_area_renov         7.620000e+03
Number of schools nearby 2.000000e+00
Distance from the airport 6.500000e+01
Price                  4.500000e+05
dtype: float64

```

| | id | Date | number of bedrooms | number of bathrooms | \ |
|-------|------------|---------|--------------------|---------------------|---|
| 0 | 6762810020 | 42543.0 | 3.0 | 2.5 | |
| 1 | 6762810021 | NaN | NaN | NaN | |
| 2 | 6762810022 | NaN | NaN | NaN | |
| 3 | 6762810023 | NaN | NaN | NaN | |
| 4 | 6762810026 | NaN | NaN | NaN | |
| ... | ... | ... | ... | ... | |
| 14615 | 6762831611 | NaN | NaN | NaN | |
| 14616 | 6762831612 | NaN | NaN | NaN | |
| 14617 | 6762831613 | NaN | NaN | NaN | |
| 14618 | 6762831615 | NaN | NaN | NaN | |
| 14619 | 6762831616 | NaN | NaN | NaN | |

| | living area | lot area | number of floors | waterfront present | \ |
|-------|-------------|----------|------------------|--------------------|---|
| 0 | 1400.0 | 5000.0 | 1.0 | 0.0 | |
| 1 | NaN | NaN | NaN | NaN | |
| 2 | NaN | NaN | NaN | NaN | |
| 3 | NaN | NaN | NaN | NaN | |
| 4 | NaN | NaN | NaN | NaN | |
| ... | ... | ... | ... | ... | |
| 14615 | NaN | NaN | NaN | NaN | |
| 14616 | NaN | NaN | NaN | NaN | |
| 14617 | NaN | NaN | NaN | NaN | |
| 14618 | NaN | NaN | NaN | NaN | |
| 14619 | NaN | NaN | NaN | NaN | |

| | number of views | condition of the house | ... | Built Year | \ |
|-------|-----------------|------------------------|-----|------------|---|
| 0 | 0.0 | 3.0 | ... | 2014.0 | |
| 1 | NaN | NaN | ... | NaN | |
| 2 | NaN | NaN | ... | NaN | |
| 3 | NaN | NaN | ... | NaN | |
| 4 | NaN | NaN | ... | NaN | |
| ... | ... | ... | ... | ... | |
| 14615 | NaN | NaN | ... | NaN | |
| 14616 | NaN | NaN | ... | NaN | |
| 14617 | NaN | NaN | ... | NaN | |
| 14618 | NaN | NaN | ... | NaN | |
| 14619 | NaN | NaN | ... | NaN | |

| | Renovation Year | Postal Code | Latitude | Longitude | living_area_renov | \ |
|-------|-----------------|-------------|----------|-----------|-------------------|---|
| 0 | 0.0 | 122028.0 | 52.7745 | -114.562 | 1440.0 | |
| 1 | NaN | NaN | 52.8834 | -114.552 | NaN | |
| 2 | NaN | NaN | 52.8947 | NaN | NaN | |
| 3 | NaN | NaN | 52.9146 | NaN | NaN | |
| 4 | NaN | NaN | 52.9255 | NaN | NaN | |
| ... | ... | ... | ... | ... | ... | |
| 14615 | NaN | NaN | NaN | NaN | NaN | |
| 14616 | NaN | NaN | NaN | NaN | NaN | |
| 14617 | NaN | NaN | NaN | NaN | NaN | |
| 14618 | NaN | NaN | NaN | NaN | NaN | |
| 14619 | NaN | NaN | NaN | NaN | NaN | |

| | lot_area_renov | Number of schools nearby | Distance from the airport | \ |
|-------|----------------|--------------------------|---------------------------|---|
| 0 | 5000.0 | 3.0 | 54.0 | |
| 1 | NaN | NaN | NaN | |
| 2 | NaN | NaN | NaN | |
| 3 | NaN | NaN | NaN | |
| 4 | NaN | NaN | NaN | |
| ... | ... | ... | ... | |
| 14615 | NaN | NaN | NaN | |
| 14616 | NaN | NaN | NaN | |
| 14617 | NaN | NaN | NaN | |
| 14618 | NaN | NaN | NaN | |
| 14619 | NaN | NaN | NaN | |

| | Price |
|-------|----------|
| 0 | 450000.0 |
| 1 | NaN |
| 2 | NaN |
| 3 | NaN |
| 4 | NaN |
| ... | ... |
| 14615 | NaN |
| 14616 | NaN |
| 14617 | NaN |
| 14618 | NaN |
| 14619 | NaN |

[14620 rows x 23 columns]

| | |
|---------------------------------------|--------------|
| id | 3.890734e+07 |
| Date | 4.535752e+03 |
| number of bedrooms | 8.811931e-01 |
| number of bathrooms | 5.927991e-01 |
| living area | 8.616958e+05 |
| lot area | 1.437898e+09 |
| number of floors | 2.918578e-01 |
| waterfront present | 7.602572e-03 |
| number of views | 5.871521e-01 |
| condition of the house | 4.410968e-01 |
| grade of the house | 1.380702e+00 |
| Area of the house(excluding basement) | 6.952391e+05 |
| Area of the basement | 2.011984e+05 |
| Built Year | 8.698739e+02 |
| Renovation Year | 1.732363e+05 |
| Postal Code | 3.641387e+02 |
| Latitude | 1.891231e-02 |
| Longitude | 1.997301e-02 |
| living_area_renov | 4.776100e+05 |
| lot_area_renov | 6.790410e+08 |
| Number of schools nearby | 6.679532e-01 |
| Distance from the airport | 7.985224e+01 |
| Price | 1.350801e+11 |

```

dtype: float64
id                6237.574799
Date              67.347991
number of bedrooms 0.938719
number of bathrooms 0.769934
living area       928.275721
lot area          37919.621304
number of floors  0.540239
waterfront present 0.087193
number of views   0.766259
condition of the house 0.664151
grade of the house  1.175033
Area of the house(excluding basement) 833.809963
Area of the basement 448.551409
Built Year        29.493625
Renovation Year   416.216661
Postal Code       19.082418
Latitude          0.137522
Longitude         0.141326
living_area_renov 691.093366
lot_area_renov    26058.414467
Number of schools nearby 0.817284
Distance from the airport 8.936008
Price             367532.380804
dtype: float64

```

| | id | Date | number of bedrooms \ |
|---------------------------------------|-----------|-----------|----------------------|
| id | 1.000000 | 0.045966 | -0.329034 |
| Date | 0.045966 | 1.000000 | -0.015663 |
| number of bedrooms | -0.329034 | -0.015663 | 1.000000 |
| number of bathrooms | -0.516909 | -0.026485 | 0.509784 |
| living area | -0.648127 | -0.021958 | 0.570526 |
| lot area | -0.100269 | 0.004392 | 0.034416 |
| number of floors | -0.312305 | -0.010335 | 0.177294 |
| waterfront present | -0.112937 | 0.012006 | -0.006257 |
| number of views | -0.293004 | -0.004782 | 0.078665 |
| condition of the house | -0.045061 | -0.027402 | 0.026597 |
| grade of the house | -0.673448 | -0.033097 | 0.352945 |
| Area of the house(excluding basement) | -0.565116 | -0.015994 | 0.473599 |
| Area of the basement | -0.290806 | -0.015711 | 0.300332 |
| Built Year | -0.068645 | -0.005869 | 0.152954 |
| Renovation Year | -0.109155 | -0.011636 | 0.016132 |
| Postal Code | 0.294709 | 0.018243 | -0.044156 |
| Latitude | -0.479334 | -0.023327 | -0.013163 |
| Longitude | -0.070841 | -0.018231 | 0.135712 |
| living_area_renov | -0.599900 | -0.032495 | 0.389855 |
| lot_area_renov | -0.089604 | -0.000050 | 0.029400 |
| Number of schools nearby | -0.004821 | -0.004071 | 0.003397 |
| Distance from the airport | -0.004542 | 0.011457 | -0.006157 |
| Price | -0.773114 | -0.027919 | 0.308460 |

| | number of bathrooms | living area \ |
|---------------------------------------|---------------------|---------------|
| id | -0.516909 | -0.648127 |
| Date | -0.026485 | -0.021958 |
| number of bedrooms | 0.509784 | 0.570526 |
| number of bathrooms | 1.000000 | 0.753517 |
| living area | 0.753517 | 1.000000 |
| lot area | 0.080806 | 0.174420 |
| number of floors | 0.502924 | 0.354743 |
| waterfront present | 0.060104 | 0.105837 |
| number of views | 0.183789 | 0.287728 |
| condition of the house | -0.128232 | -0.063358 |
| grade of the house | 0.663054 | 0.761835 |
| Area of the house(excluding basement) | 0.684391 | 0.875793 |
| Area of the basement | 0.287190 | 0.441491 |

| | | |
|---------------------------|-----------|-----------|
| Built Year | 0.498127 | 0.309602 |
| Renovation Year | 0.049669 | 0.059400 |
| Postal Code | -0.105546 | -0.080303 |
| Latitude | 0.031156 | 0.054518 |
| Longitude | 0.223904 | 0.240208 |
| living_area_renov | 0.570530 | 0.757571 |
| lot_area_renov | 0.078627 | 0.180312 |
| Number of schools nearby | 0.002180 | 0.002370 |
| Distance from the airport | 0.009206 | 0.002511 |
| Price | 0.531735 | 0.712169 |

| | | |
|---------------------------------------|-----------|--------------------|
| | lot area | number of floors \ |
| id | -0.100269 | -0.312305 |
| Date | 0.004392 | -0.010335 |
| number of bedrooms | 0.034416 | 0.177294 |
| number of bathrooms | 0.080806 | 0.502924 |
| living area | 0.174420 | 0.354743 |
| lot area | 1.000000 | -0.004138 |
| number of floors | -0.004138 | 1.000000 |
| waterfront present | 0.026282 | 0.016316 |
| number of views | 0.078308 | 0.020153 |
| condition of the house | -0.008548 | -0.269928 |
| grade of the house | 0.110546 | 0.463082 |
| Area of the house(excluding basement) | 0.183553 | 0.525643 |
| Area of the basement | 0.019755 | -0.242976 |
| Built Year | 0.051615 | 0.481565 |
| Renovation Year | 0.006848 | 0.006705 |
| Postal Code | 0.070131 | -0.129788 |
| Latitude | -0.090983 | 0.050731 |
| Longitude | 0.221432 | 0.127550 |
| living_area_renov | 0.149744 | 0.285093 |
| lot_area_renov | 0.706812 | -0.010120 |
| Number of schools nearby | -0.012671 | -0.007579 |
| Distance from the airport | 0.003291 | 0.016567 |
| Price | 0.081992 | 0.262732 |

| | | |
|---------------------------------------|--------------------|-------------------|
| | waterfront present | number of views \ |
| id | -0.112937 | -0.293004 |
| Date | 0.012006 | -0.004782 |
| number of bedrooms | -0.006257 | 0.078665 |
| number of bathrooms | 0.060104 | 0.183789 |
| living area | 0.105837 | 0.287728 |
| lot area | 0.026282 | 0.078308 |
| number of floors | 0.016316 | 0.020153 |
| waterfront present | 1.000000 | 0.400206 |
| number of views | 0.400206 | 1.000000 |
| condition of the house | 0.018644 | 0.052533 |
| grade of the house | 0.079831 | 0.254532 |
| Area of the house(excluding basement) | 0.071865 | 0.162672 |
| Area of the basement | 0.085441 | 0.293062 |
| Built Year | -0.024226 | -0.055357 |
| Renovation Year | 0.085865 | 0.102944 |
| Postal Code | 0.038318 | 0.039268 |
| Latitude | -0.021795 | -0.004555 |
| Longitude | -0.047791 | -0.079706 |
| living_area_renov | 0.085743 | 0.281452 |
| lot_area_renov | 0.032055 | 0.072300 |
| Number of schools nearby | 0.001563 | 0.008004 |
| Distance from the airport | 0.001448 | -0.001657 |
| Price | 0.263687 | 0.395973 |

| | |
|------|------------------------------|
| | condition of the house ... \ |
| id | -0.045061 ... |
| Date | -0.027402 ... |

| | | |
|---------------------------------------|-----------|-----|
| number of bedrooms | 0.026597 | ... |
| number of bathrooms | -0.128232 | ... |
| living area | -0.063358 | ... |
| lot area | -0.008548 | ... |
| number of floors | -0.269928 | ... |
| waterfront present | 0.018644 | ... |
| number of views | 0.052533 | ... |
| condition of the house | 1.000000 | ... |
| grade of the house | -0.152530 | ... |
| Area of the house(excluding basement) | -0.167695 | ... |
| Area of the basement | 0.180609 | ... |
| Built Year | -0.381718 | ... |
| Renovation Year | -0.062126 | ... |
| Postal Code | 0.045334 | ... |
| Latitude | -0.002998 | ... |
| Longitude | -0.121189 | ... |
| living_area_renov | -0.099743 | ... |
| lot_area_renov | -0.004748 | ... |
| Number of schools nearby | -0.006939 | ... |
| Distance from the airport | -0.002136 | ... |
| Price | 0.041376 | ... |

| | Built Year | Renovation Year | \ |
|---------------------------------------|------------|-----------------|---|
| id | -0.068645 | -0.109155 | |
| Date | -0.005869 | -0.011636 | |
| number of bedrooms | 0.152954 | 0.016132 | |
| number of bathrooms | 0.498127 | 0.049669 | |
| living area | 0.309602 | 0.059400 | |
| lot area | 0.051615 | 0.006848 | |
| number of floors | 0.481565 | 0.006705 | |
| waterfront present | -0.024226 | 0.085865 | |
| number of views | -0.055357 | 0.102944 | |
| condition of the house | -0.381718 | -0.062126 | |
| grade of the house | 0.440358 | 0.014501 | |
| Area of the house(excluding basement) | 0.419369 | 0.025727 | |
| Area of the basement | -0.138843 | 0.075104 | |
| Built Year | 1.000000 | -0.233683 | |
| Renovation Year | -0.233683 | 1.000000 | |
| Postal Code | -0.062349 | 0.018006 | |
| Latitude | -0.143153 | 0.028908 | |
| Longitude | 0.414591 | -0.080050 | |
| living_area_renov | 0.328625 | -0.002601 | |
| lot_area_renov | 0.072874 | 0.005869 | |
| Number of schools nearby | -0.001631 | -0.000826 | |
| Distance from the airport | -0.003968 | 0.005342 | |
| Price | 0.050307 | 0.133173 | |

| | Postal Code | Latitude | Longitude | \ |
|---------------------------------------|-------------|-----------|-----------|---|
| id | 0.294709 | -0.479334 | -0.070841 | |
| Date | 0.018243 | -0.023327 | -0.018231 | |
| number of bedrooms | -0.044156 | -0.013163 | 0.135712 | |
| number of bathrooms | -0.105546 | 0.031156 | 0.223904 | |
| living area | -0.080303 | 0.054518 | 0.240208 | |
| lot area | 0.070131 | -0.090983 | 0.221432 | |
| number of floors | -0.129788 | 0.050731 | 0.127550 | |
| waterfront present | 0.038318 | -0.021795 | -0.047791 | |
| number of views | 0.039268 | -0.004555 | -0.079706 | |
| condition of the house | 0.045334 | -0.002998 | -0.121189 | |
| grade of the house | -0.146342 | 0.115256 | 0.203754 | |
| Area of the house(excluding basement) | -0.083730 | -0.000088 | 0.345899 | |
| Area of the basement | -0.010542 | 0.112989 | -0.145879 | |
| Built Year | -0.062349 | -0.143153 | 0.414591 | |
| Renovation Year | 0.018006 | 0.028908 | -0.080050 | |
| Postal Code | 1.000000 | -0.310172 | -0.099003 | |

| | | | |
|---------------------------|-----------|-----------|-----------|
| Latitude | -0.310172 | 1.000000 | -0.131472 |
| Longitude | -0.099003 | -0.131472 | 1.000000 |
| living_area_renov | -0.108454 | 0.046148 | 0.341221 |
| lot_area_renov | 0.077483 | -0.091622 | 0.258066 |
| Number of schools nearby | 0.010605 | 0.014949 | -0.010163 |
| Distance from the airport | 0.011528 | 0.007193 | -0.003100 |
| Price | -0.115908 | 0.297490 | 0.024414 |

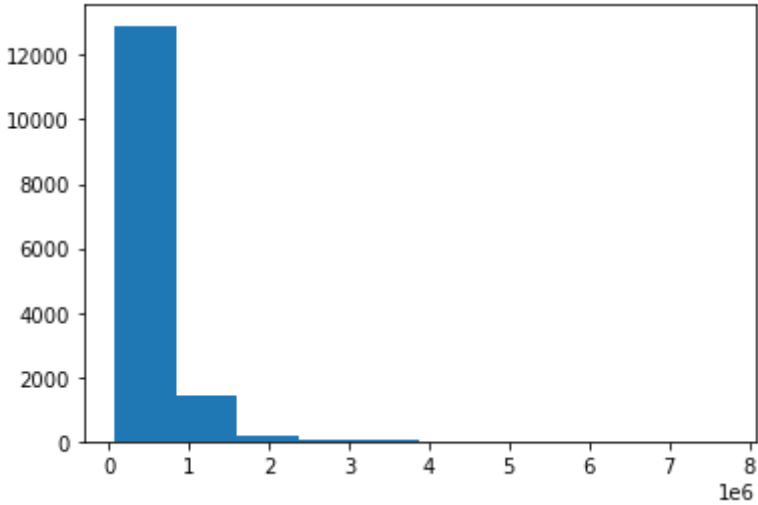
| | living_area_renov | lot_area_renov | \ |
|---------------------------------------|-------------------|----------------|---|
| id | -0.599900 | -0.089604 | |
| Date | -0.032495 | -0.000050 | |
| number of bedrooms | 0.389855 | 0.029400 | |
| number of bathrooms | 0.570530 | 0.078627 | |
| living area | 0.757571 | 0.180312 | |
| lot area | 0.149744 | 0.706812 | |
| number of floors | 0.285093 | -0.010120 | |
| waterfront present | 0.085743 | 0.032055 | |
| number of views | 0.281452 | 0.072300 | |
| condition of the house | -0.099743 | -0.004748 | |
| grade of the house | 0.720019 | 0.116725 | |
| Area of the house(excluding basement) | 0.737744 | 0.194670 | |
| Area of the basement | 0.196403 | 0.011283 | |
| Built Year | 0.328625 | 0.072874 | |
| Renovation Year | -0.002601 | 0.005869 | |
| Postal Code | -0.108454 | 0.077483 | |
| Latitude | 0.046148 | -0.091622 | |
| Longitude | 0.341221 | 0.258066 | |
| living_area_renov | 1.000000 | 0.189225 | |
| lot_area_renov | 0.189225 | 1.000000 | |
| Number of schools nearby | -0.001203 | -0.025014 | |
| Distance from the airport | -0.005673 | -0.014587 | |
| Price | 0.584924 | 0.075535 | |

| | Number of schools nearby | \ |
|---------------------------------------|--------------------------|---|
| id | -0.004821 | |
| Date | -0.004071 | |
| number of bedrooms | 0.003397 | |
| number of bathrooms | 0.002180 | |
| living area | 0.002370 | |
| lot area | -0.012671 | |
| number of floors | -0.007579 | |
| waterfront present | 0.001563 | |
| number of views | 0.008004 | |
| condition of the house | -0.006939 | |
| grade of the house | 0.000986 | |
| Area of the house(excluding basement) | -0.002894 | |
| Area of the basement | 0.010284 | |
| Built Year | -0.001631 | |
| Renovation Year | -0.000826 | |
| Postal Code | 0.010605 | |
| Latitude | 0.014949 | |
| Longitude | -0.010163 | |
| living_area_renov | -0.001203 | |
| lot_area_renov | -0.025014 | |
| Number of schools nearby | 1.000000 | |
| Distance from the airport | 0.004035 | |
| Price | 0.009890 | |

| | Distance from the airport | Price |
|---------------------|---------------------------|-----------|
| id | -0.004542 | -0.773114 |
| Date | 0.011457 | -0.027919 |
| number of bedrooms | -0.006157 | 0.308460 |
| number of bathrooms | 0.009206 | 0.531735 |
| living area | 0.002511 | 0.712169 |

| | | |
|---------------------------------------|-----------|-----------|
| lot area | 0.003291 | 0.081992 |
| number of floors | 0.016567 | 0.262732 |
| waterfront present | 0.001448 | 0.263687 |
| number of views | -0.001657 | 0.395973 |
| condition of the house | -0.002136 | 0.041376 |
| grade of the house | 0.004940 | 0.671814 |
| Area of the house(excluding basement) | 0.001222 | 0.615220 |
| Area of the basement | 0.002926 | 0.330202 |
| Built Year | -0.003968 | 0.050307 |
| Renovation Year | 0.005342 | 0.133173 |
| Postal Code | 0.011528 | -0.115908 |
| Latitude | 0.007193 | 0.297490 |
| Longitude | -0.003100 | 0.024414 |
| living_area_renov | -0.005673 | 0.584924 |
| lot_area_renov | -0.014587 | 0.075535 |
| Number of schools nearby | 0.004035 | 0.009890 |
| Distance from the airport | 1.000000 | 0.003804 |
| Price | 0.003804 | 1.000000 |

[23 rows x 23 columns]



In []:

In []: