

The screenshot displays the IBM Cognos Analytics web interface. The top navigation bar includes the IBM logo and the title 'HOUSE PRICE'. Below the navigation bar, there is a 'Data module' section on the left with a search bar and a list of data sources. The main area shows a table with the following columns: Row Id, id, Date, number of bedrooms, number of bathrooms, living area, and lot area. The table contains 13 rows of data.

Row Id	id	Date	number of bedrooms	number of bathrooms	living area	lot area
1	6762810145	42491	5	2.5	3650	9050
2	6762810635	42491	4	2.5	2920	4000
3	6762810998	42491	5	2.75	2910	9480
4	6762812605	42491	4	2.5	3310	42998
5	6762812919	42491	3	2	2710	4500
6	6762813105	42491	3	2.5	2600	4750
7	6762813157	42491	5	3.25	3660	11995
8	6762813599	42491	3	1.75	2240	10578
9	6762813600	42491	3	2.5	2390	6550
10	6762814461	42491	4	2.25	2200	11250
11	6762814787	42491	5	2.5	2820	67518
12	6762815225	42491	4	2	1820	5000
13	6762815461	42491	4	2	1520	6200

CODE:

```
import pandas as pd
```

```
import matplotlib.pyplot as plt
```

```
import seaborn as sns
```

```
df = pd.read_csv('C:\\Users\\Downloads\\archive (4)\\House Price India.csv')
```

```
plt.figure(figsize=(8, 6))
```

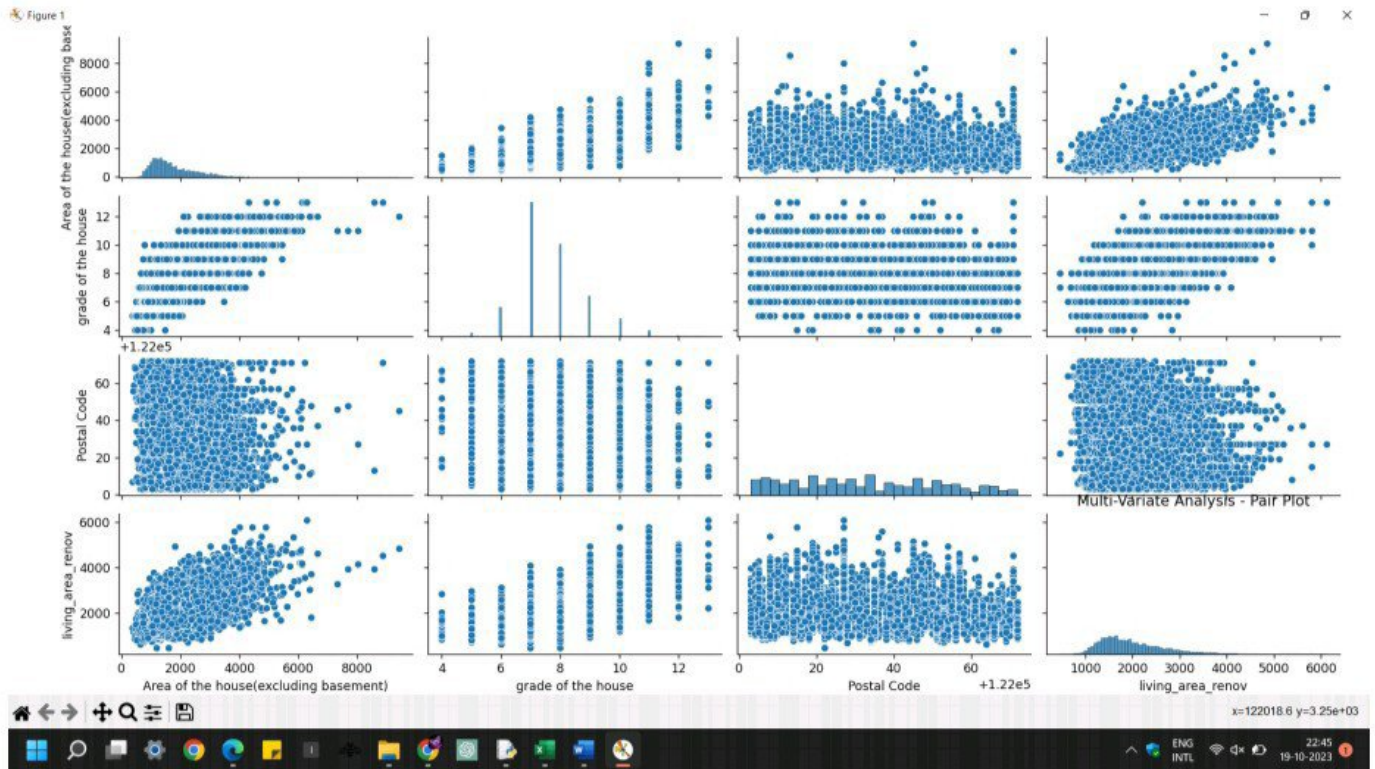
```
sns.histplot(df['living area'], kde=True)
```

```
plt.title('Univariate Analysis')
```

```
plt.show()
```



```
plt.figure(figsize=(8, 6))  
sns.scatterplot(x='number of floors', y='condition of the  
house', data=df)  
plt.title('Bi-Variate Analysis ')  
plt.show()  
  
sns.pairplot(df[['Area of the house(excluding  
basement)', 'grade of the house', 'Postal  
Code', 'living_area_renov']])  
plt.title('Multi-Variate Analysis - Pair Plot')  
plt.show()  
  
descriptive_stats = df.describe()  
print(descriptive_stats)  
  
missing_values = df.isnull().sum()  
print("Missing Values:")  
print(missing_values)
```



IDLE Shell 3.11.3

```
File Edit Shell Debug Options Window Help
Python 3.11.3 [tags/v3.11.3:f3909b8, Apr 4 2023, 23:49:59] [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/sivasree/AppData/Local/Programs/Python/Python311/ex3 nm.py =
id Date ... Distance from the airport Price
count 1.462000e+04 14620.000000 ... 14620.000000 1.462000e+04
mean 6.762821e+09 42604.538646 ... 64.950958 3.89322e+05
std 6.237575e+03 67.347991 ... 8.936008 3.675324e+05
min 6.762810e+09 42491.000000 ... 50.000000 7.800000e+04
25% 6.762815e+09 42546.000000 ... 57.000000 3.200000e+05
50% 6.762821e+09 42600.000000 ... 65.000000 4.500000e+05
75% 6.762826e+09 42662.000000 ... 73.000000 6.450000e+05
max 6.762832e+09 42734.000000 ... 80.000000 7.700000e+06

[8 rows x 23 columns]
Missing Values:
id 0
Date 0
number of bedrooms 0
number of bathrooms 0
living_area 0
lot_area 0
number of floors 0
waterfront present 0
number of views 0
condition of the house 0
grade of the house 0
Area of the house(excluding basement) 0
Area of the basement 0
Built Year 0
Renovation Year 0
Postal Code 0
Latitude 0
Longitude 0
living_area_renov 0
lot_area_renov 0
Number of schools nearby 0
Distance from the airport 0
Price 0
dtype: int64
>>>
```

Ln: 26 Col: 0

OUTPUT:

