

Assignment 3 User Manual 34274227

Table of Contents

1. Getting Started

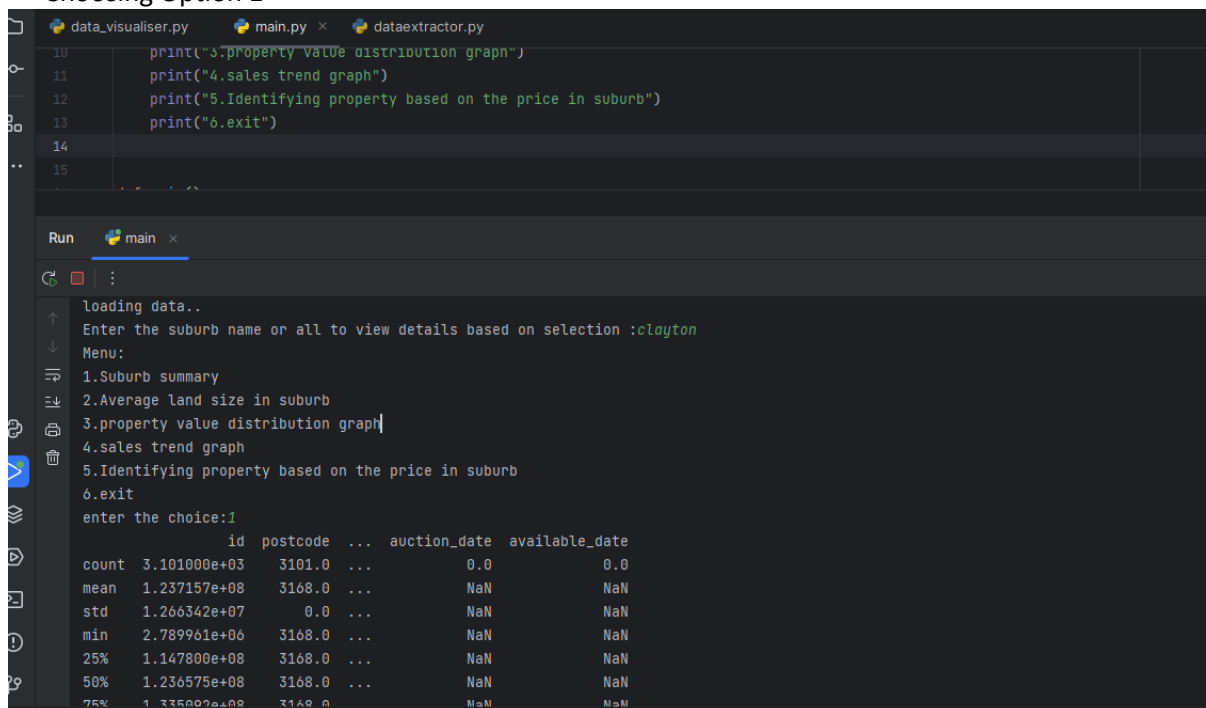
- Running the main.py
- Main Menu Options

2. Main Menu:

1. Suburb summary
2. Average land size in suburb
3. property value distribution graph
4. Sales trend graph
5. Identifying property based on the price in suburb
6. Exit

3. Suburb Summary (need to enter the suburb)

- Choosing Option 1



The screenshot shows a Python IDE with three files: data_visualiser.py, main.py, and dataextractor.py. The code in dataextractor.py (lines 10-15) prints menu options 3 through 6. The terminal output shows the program running, loading data, and displaying a menu. Option 1 is chosen, resulting in a summary table for Clayton.

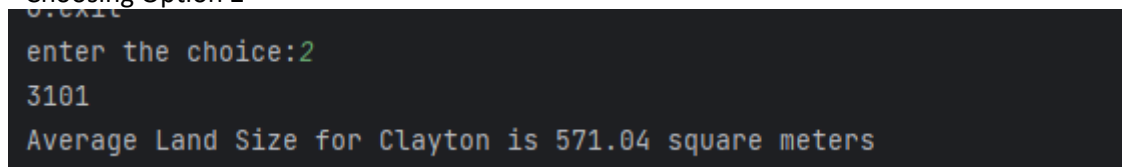
```
10 print("3.property value distribution graph")
11 print("4.sales trend graph")
12 print("5.Identifying property based on the price in suburb")
13 print("6.exit")
14
15
```

```
Run main x
Loading data..
Enter the suburb name or all to view details based on selection :clayton
Menu:
1.Suburb summary
2.Average land size in suburb
3.property value distribution graph
4.sales trend graph
5.Identifying property based on the price in suburb
6.exit
enter the choice:1
```

	id	postcode	...	auction_date	available_date
count	3.101000e+03	3101.0	...	0.0	0.0
mean	1.237157e+08	3168.0	...	NaN	NaN
std	1.266342e+07	0.0	...	NaN	NaN
min	2.789961e+06	3168.0	...	NaN	NaN
25%	1.147800e+08	3168.0	...	NaN	NaN
50%	1.236575e+08	3168.0	...	NaN	NaN
75%	1.335002e+08	3168.0	...	NaN	NaN

4. Average land size

- Choosing Option 2



The screenshot shows the terminal output for choosing Option 2. The user enters the choice 2, and the program displays the average land size for Clayton.

```
0.exit
enter the choice:2
3101
Average Land Size for Clayton is 571.04 square meters
```

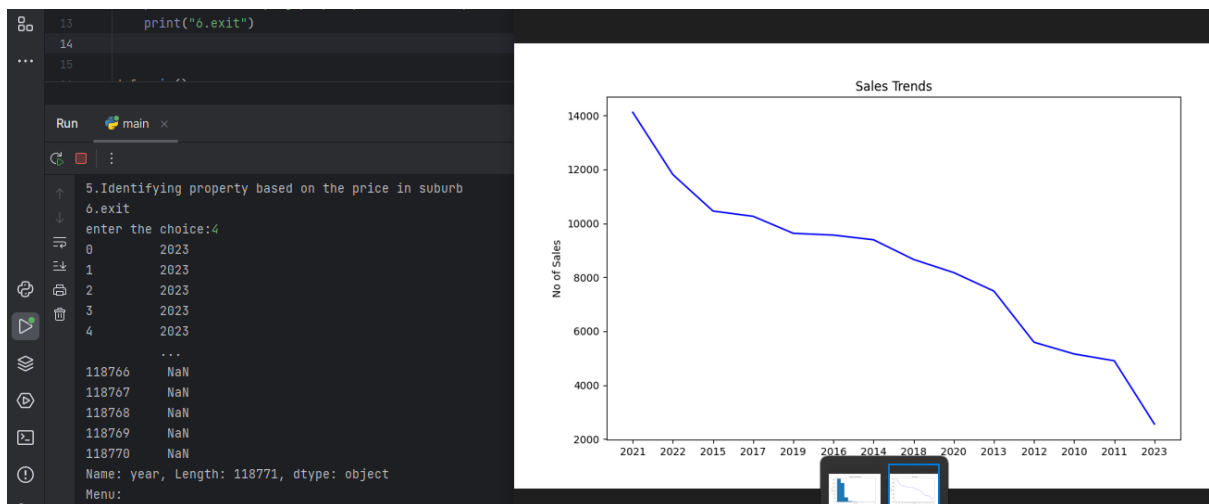
5. property value distribution graph

- Choosing Option 3
- Entering choice between AUD/INR
- property value distribution graph will be there in the folder



5. Sales trend graph

- Choosing Option 4



6. Identifying property based on the price in suburb

- Choosing Option 5
- Enter the price in AUD

```
4.sales trend graph
5.Identifying property based on the price in suburb
Clear All
enter the choice:5
Enter the amount you want to invest in digits for AUD:881000
The property is available!!
Menu:
1.Suburb summary
2.Average land size in suburb
3.property value distribution graph
4.sales trend graph
5.Identifying property based on the price in suburb
```

10. Exiting the Program

- Choosing Option 6