

Using Streamlit to run the Python script will give us the web application with this interface:

Melbourne housing price predictor

Input property features below to predict the sale price

Suburb	Number of bedrooms
Burwood	3
Property type	Number of bathrooms
House	2
Parking area	Latitude
Indoor	-37.80
Building area (m ²)	Longitude
150.00	145.00
Land size (m ²)	Sale date
500.00	2025/09/16
Year built	
1990	

The estimated price of the property is: \$2,235,292

We can see that a property that is a House at Burwood, 3 bedrooms, 2 bathrooms, etc. had a price \$2,235,292 as predicted by the model. Now when the user changes the input, let's say they want the same property but with 1 extra bathroom:

Melbourne housing price predictor

Input property features below to predict the sale price

Suburb	Number of bedrooms
Burwood	3
Property type	Number of bathrooms
House	3
Parking area	Latitude
Indoor	-37.80
Building area (m ²)	Longitude
150.00	145.00
Land size (m ²)	Sale date
500.00	2025/09/16
Year built	
1990	

The estimated price of the property is: \$2,650,060

The predicted price increased to \$2,650,060 (the whole Python script was run again with a different number of bathrooms that made the price different). If the user wanted 3 more bedrooms and 1 more bathroom:

Melbourne housing price predictor

Input property features below to predict the sale price

Suburb Burwood	Number of bedrooms 6
Property type House	Number of bathrooms 4
Parking area Indoor	Latitude -37.80
Building area (m ²) 150.00	Longitude 145.00
Land size (m ²) 500.00	Sale date 2025/09/16
Year built 1990	

The estimated price of the property is: \$3,012,010

The price significantly increased to \$3,012,010. It would be even more expensive to afford the same property at Camberwell:

Melbourne housing price predictor

Input property features below to predict the sale price

Suburb Camberwell	Number of bedrooms 6
Property type House	Number of bathrooms 4
Parking area Indoor	Latitude -37.80
Building area (m ²) 150.00	Longitude 145.00
Land size (m ²) 500.00	Sale date 2025/09/16
Year built 1990	

The estimated price of the property is: \$3,382,494

But cheaper if the property was a Unit:

Melbourne housing price predictor

Input property features below to predict the sale price

Suburb

Camberwell

Number of bedrooms

6

Property type

Unit

Number of bathrooms

4

Parking area

Indoor

Latitude

-37.80

-

+

Building area (m²)

150.00

-

+

Longitude

145.00

-

+

Land size (m²)

500.00

-

+

Sale date

2025/09/16

Year built

1990

The estimated price of the property is: \$2,369,421