

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: Burwood | Number of bedrooms: 3

Property type: House | Number of bathrooms: 2

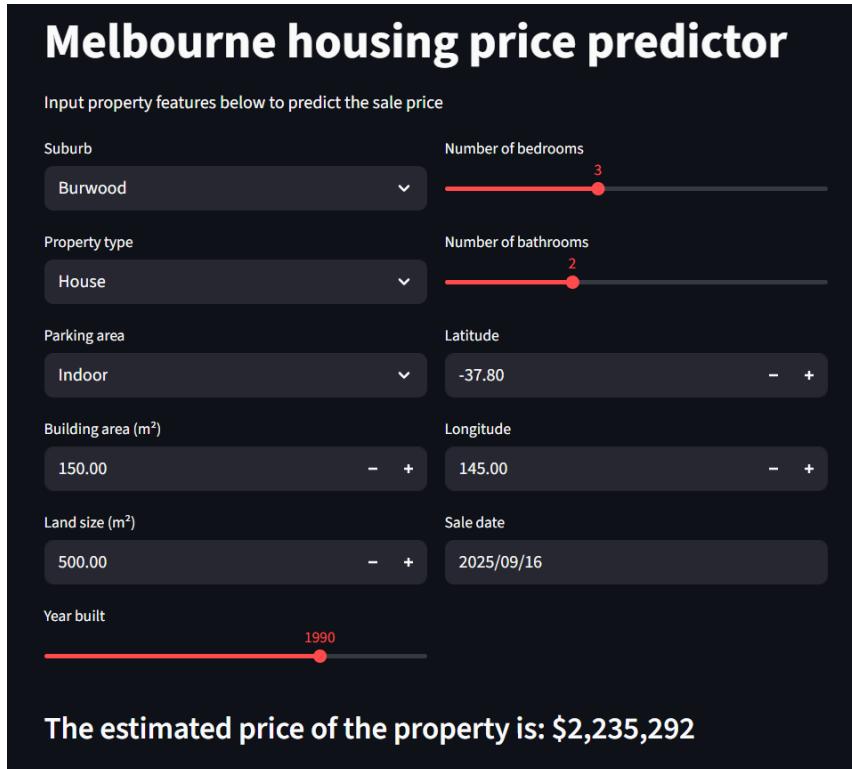
Parking area: Indoor | Latitude: -37.80

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: \$2,235,292



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:

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Input property features below to predict the sale price

Suburb: Burwood | Number of bedrooms: 3

Property type: House | Number of bathrooms: 3

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: \$2,650,060



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	Number of bedrooms
Burwood	6
Property type	Number of bathrooms
House	4
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: \$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	Number of bedrooms
Camberwell	6
Property type	Number of bathrooms
House	4
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: \$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

Number of bedrooms

Property type

Number of bathrooms

Parking area

Latitude

Building area (m²)

Longitude

Land size (m²)

Sale date

Year built

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