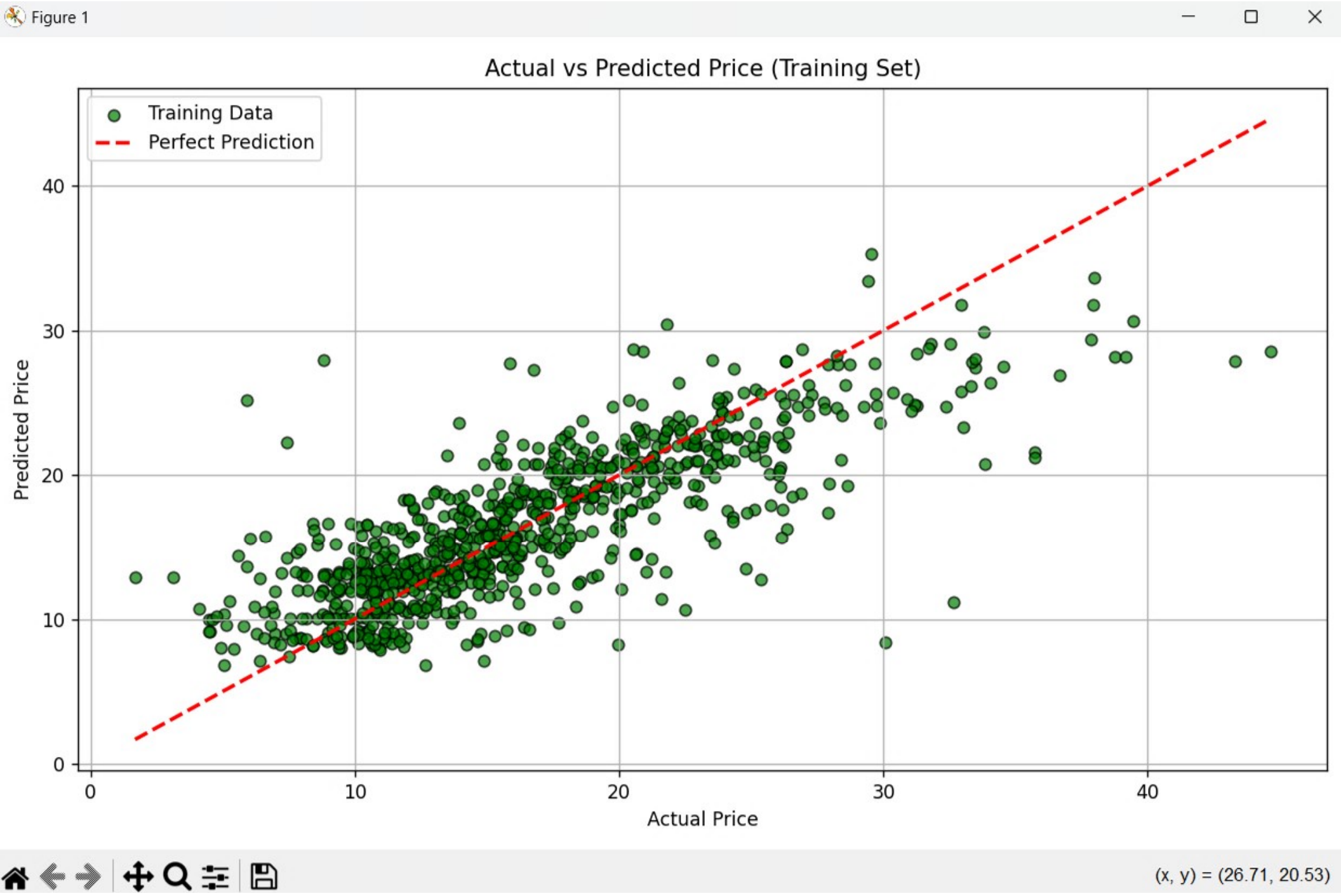
Figure 1
Actual vs Predicted Price (Training Set)
Training Data
Perfect Prediction
Predicted Price
Actual Price
0
10
20
30
40
(x, y) = (26.71, 20.53)

🏠 House Price Prediction App

Dataset Preview

	Living Area	Bathrooms	Bedrooms	Lot Size	Price
0	1.982	1	3	2	14.2212
1	1.676	1.5	3	0.38	13.4865
2	1.694	2	3	0.96	11.8007
3	1.8	1	2	0.48	13.8297
4	2.088	1	3	1.84	12.947

Dataset shape: (1047, 5)

Missing Values

	0
Living Area	0
Bathrooms	0
Bedrooms	0
Lot Size	0
Price	0

Dataset Description

	Living Area	Bathrooms	Bedrooms	Lot Size	Price
count	1047	1047	1047	1047	1047
mean	1.8073	1.9183	3.1834	0.5696	16.3862
std	0.6415	0.6417	0.7503	0.7779	6.7652
min	0.672	1	1	0	1.6858
25%	1.336	1.5	3	0.21	11.2014
50%	1.672	2	3	0.39	15.1917
75%	2.206	2.5	4	0.6	20.5235
max	4.534	4.5	6	9	44.6436

Model Parameters

Intercept: 1.3251535639059444

Coefficients: [6.73593277 2.72475173 -0.75998 0.22846765]

Living Area range: 0.672 to 4.534

Bedrooms range: 1 to 6

Bathrooms range: 1.0 to 4.5

Lot Size range: 0.0 to 9.0

Model accuracy (R^2 score): 61.86%

Make a Prediction

Enter Living Area (sqft):

2.85 − +

Enter Bedrooms:

2 − +

Enter Bathrooms:

1 − +

Enter Lot Size:

1.25 − +

Predict Price

Evaluation Metrics on Test Set

Mean Squared Error: 18.82

R^2 Score: 61.86%

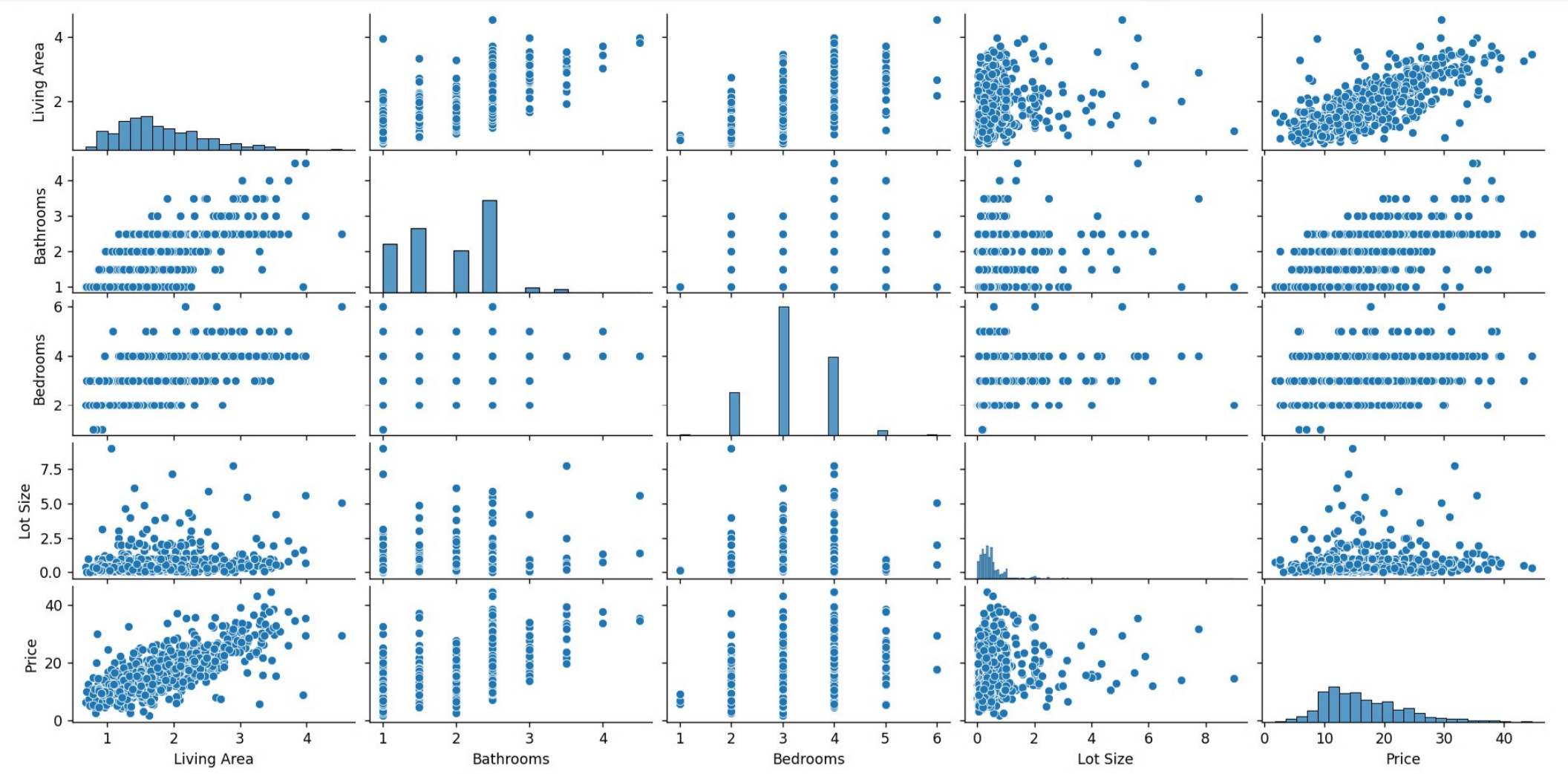
Living Area
Bathrooms
Bedrooms
Lot Size
Price

Figure 1
iving Area
Bathrooms
Bedrooms
Lot Size
Price
1
0.72
0.66
0.2
0.78
0.72
1
0.49
0.1
0.67
0.66
0.49
1
0.14
0.47
0.2
0.1
0.14
1
0.16
0.78
0.67
0.47
0.16
1
Living Area
Bathrooms
Bedrooms
Lot Size
Price
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2

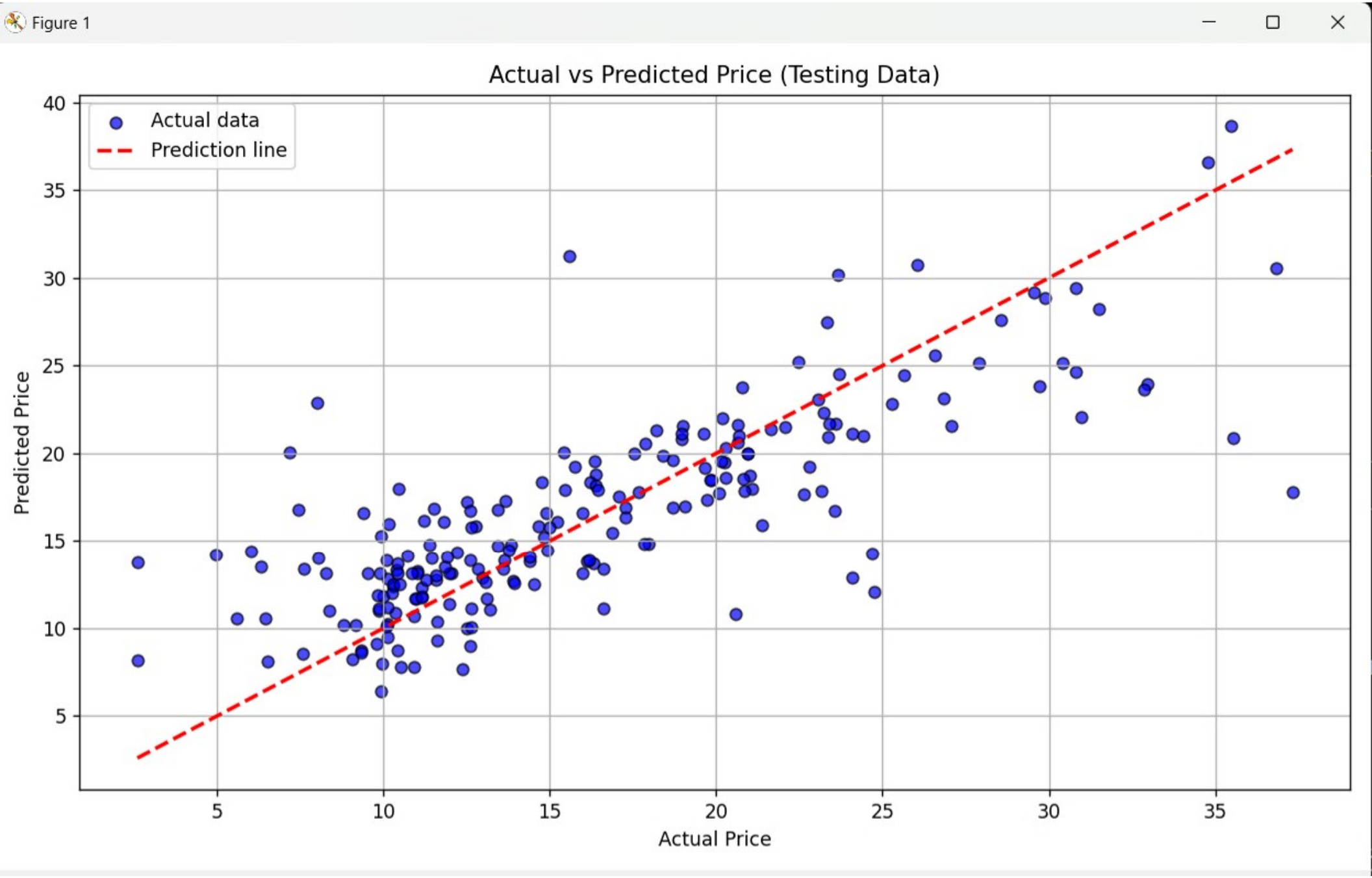
Figure 1
Actual vs Predicted Price (Testing Data)
Actual data
Prediction line
Predicted Price
Actual Price
40
35
30
25
20
15
10
5
5
10
15
20
25
30
35