



File Edit Selection View Go Run ... ML Regression

EXPLORER

- ML REGRESSION
  - templates
  - ANN.pkl
  - app.py 2
  - ElasticNet.pkl
  - KNN.pkl
  - LassoRegression.pkl
  - LGBM.pkl
  - LinearRegression.pkl
  - model\_evaluation\_results.csv
  - model.py
  - PolynomialRegression.pkl
  - RandomForest.pkl
  - RidgeRegression.pkl
  - RobustRegression.pkl
  - SGDRegressor.pkl
  - SVM.pkl
  - USA\_Housing.csv
  - XGBoost.pkl

model.py app.py 2 X

```
app.py > ...
23 def predict():
24     model_name = request.form['model']
25     input_data = {
26         'Avg. Area Income': float(request.form['Avg. Area Income']),
27         'Avg. Area House Age': float(request.form['Avg. Area House Age']),
28         'Avg. Area Number of Rooms': float(request.form['Avg. Area Number of Rooms']),
29         'Avg. Area Number of Bedrooms': float(request.form['Avg. Area Number of Bedrooms']),
30         'Area Population': float(request.form['Area Population'])
31     }
32     input_df = pd.DataFrame([input_data])
33
34     if model_name in models:
35         model = models[model_name]
36         prediction = model.predict(input_df)[0]
37         return render_template('results.html', prediction=prediction, model_name=model_name)
38     else:
39         return jsonify({'error': 'Model not found'}), 400
40
41 @app.route('/results')
42 def results():
```

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS Filter Code

```
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with watchdog (windowsapi)
* Debugger is active!
* Debugger PIN: 474-164-677
127.0.0.1 - - [31/Aug/2025 20:49:51] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [31/Aug/2025 20:49:52] "GET / HTTP/1.1" 200 -
```

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# Regression Model Prediction

Average Area Income:

Average Area House Age:

Average Area Number of Rooms:

Average Area Number of Bedrooms:

Area Population:

Select Model:

# Prediction Result

Model: LinearRegression

Predicted Price: 628215.2986677252

Make Another Prediction

View Model Evaluation Results

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Your Repositories

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WELCOME TO FLASK DEPLOYMENT & we build regression model

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