import weka.core.Attribute;

import weka.core.DenseInstance;

import weka.core.Instance;

import weka.core.Instances;

import weka.core.converters.ConverterUtils.DataSource;

import weka.classifiers.functions.LinearRegression;

public class HousePricePrediction {

public static void main(String[] args) {

try {

// Load dataset (you should replace this path with your dataset)

DataSource source = new DataSource("path/to/your/dataset.arff");

Instances data = source.getDataSet();

// Set the target variable (house price in this case)

data.setClassIndex(data.numAttributes() - 1);

// Create a linear regression model

LinearRegression model = new LinearRegression();

// Build the model

model.buildClassifier(data);

// Create a new instance for prediction

Instance houseToPredict = new DenseInstance(data.numAttributes());

houseToPredict.setDataset(data);

// Set values for the features (you need to set these based on your dataset)

houseToPredict.setValue(0, 3); // Example: Number of bedrooms

houseToPredict.setValue(1, 2); // Example: Number of bathrooms

// Add more features as needed

// Make the prediction

double predictedPrice = model.classifyInstance(houseToPredict);

System.out.println("Predicted House Price: $" + predictedPrice);

} catch (Exception e) {

e.printStackTrace();

}

}

}