

```

import weka.core.Instances;
import weka.core.converters.CSVLoader;
import weka.classifiers.Classifier;
import weka.classifiers.bayes.NaiveBayes;
import weka.classifiers.Evaluation;
import java.io.File;
import java.util.Random;

public class EmailSpamDetection {

    public static void main(String[] args) {
        try {
            // Load the dataset
            CSVLoader loader = new CSVLoader();
            loader.setSource(new File("/mnt/data/spam.csv")); // Adjust the file path accordingly
            Instances dataset = loader.getDataSet();

            // Setting the class index (target variable)
            dataset.setClassIndex(dataset.numAttributes() - 1); // Assuming the last column is the class label

            // Build a Naive Bayes classifier
            Classifier classifier = new NaiveBayes();
            classifier.buildClassifier(dataset);

            // Evaluate the model using cross-validation
            Evaluation evaluation = new Evaluation(dataset);
            evaluation.crossValidateModel(classifier, dataset, 10, new Random(1));

            // Print evaluation results
            System.out.println("=== Evaluation Results ===");
            System.out.println(evaluation.toSummaryString());
            System.out.println(evaluation.toClassDetailsString());
            System.out.println(evaluation.toMatrixString());
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}

```