```
featureExt = new SpectralCentroid();
return featureExt.extractFeature(samples, sampleRate, otherFeatures);
 otherFeatures[0] = featureExt.extractFeature(samples, sampleRate, otherFeatures);
 otherFeatures[0] = featureExt.extractFeature(windowSample[0], sampleRate, otherFeatures);
 otherFeatures[0] = featureExt.extractFeature(samples, sampleRate, otherFeatures);
Spectral Centroid(1),
Spectral Rolloff Point(2),
Root Mean Square (6),
Fration of Low Energy Windows (7),
Strongest Beat (9),
Method of Moments (14),
 Peak Detection(15),
Area Method of MFCCs(16):
AudioFeature(int value) {
```

```
double[] val;
FastVector attValsRel = new FastVector();
              for (int i = 0; i < classes.length; i++)
   attValsRel.addElement(classes[i]);</pre>
              attvalskel.addLlement(classes[i]);
atts.addElement(new Attribute("class", attValsRel));
Instances instances = new Instances("AudioSamples", atts, 0);
for (int i = 0; i < classes.length; i++) {
    File folder = new File("data/training/" + classes[i]);
                       File[] files = folder.listFiles();
for (int j = 0; j < files.length; j++) {
  val = makeData(files[j], classes[i], attValsRel, instances.numAttributes());</pre>
                         val = makeData(files[]], tlasses[=],
instances.add(new Instance(1.0, val));
              classify(instances,new File("data/testing/snare/Snare 909 21.wav"));
  public static double(] makeData(File file, String str, FastVector attValsRel, int noOfAttributes) throws Exception {
    AudioSamples samples = new AudioSamples(file, file.getPath(), false);
             double[] val = new double[noOfAttributes-1];
double[] f = feature(samples, AudioFeature.Zero Crossings);
 ==== Evaluating on filtered (training) dataset =====
Correctly Classified Instances 94
Incorrectly Classified Instances 2
Kappa statistic 0.9556
Mean absolute error 0.0542
Root mean squared error 0.1568
Relative absolute error 11.6647 %
Root relative squared error 32.5526 %
Total Number of Instances 96
                                                                                                                    2.0833 %
 === Detailed Accuracy By Class ===
1 0.033 0.946 1 0.972 0.99 kick
0.967 0 1 0.967 0.983 0.99 snare
Weighted Avg. 0.979 0.012 0.98 0.979 0.979 0.99
 ====== Confusion Matrix ======
 35.0 0.0
Grelation AudioSamples
@attribute Zero_Crossings numeric
 @attribute class {kick, snare}
 ===== Classified instance =====
 Class predicted: snare
```



