## Manual of the MPM-EDA.jar

The MPM-EDA.jar provides an implement of the MPM-EDA agorithm, and an implement of standrad K-meams as benchmark. Before using this jar package, please make sure the JDK 7 has been correctly installed in your computer.

A simple demo is shown in the Fig. 1. This demo program will employ MPM-EDA algorithm on the yeast data set, and detailed results of the clustering will be printed.

Fig. 1

The format of your input data should be accordance with the data files we provide (iris, seeds and yeast. You can find the in the .rar file). **Notice** that if you run the algorithm on **seeds data set**, please remove the sentence of "System.setProperty("java.util.Arrays.useLegacyMergeSort", "true");"

To run the **K-means** algorithm, see the program shown in Fig. 2.

```
GeneralDataSet dataSet = new GeneralDataSet("yeast.data", 8);
//The second parameter is the number of clusters.
Kmeans kemans = new Kmeans(dataSet,10);

//The parameter '200' is the iteration
Map<Integer, List<MetaData>> resu = kemans.launch_pro(200);
System.out.println(Evaluator.evaluateResu(Evaluator.switcher(resu)));
```

Fig. 2