User Guide of `Analyzer.jar`

Kilho Shin

June 30, 2011

1 Example

You can run the following command in a directory that includes `Analyzer.jar` and the sub-directory `test`.

```
java -cp Analyzer.jar Analyzer -p test
```

The program scans all of the `.result` files in the `test` directory, and outputs results of analysis to the standard output.

In each `.result` file, one or more quadruples of measurements for Accuracy, Balanced Accuracy, F-Score and AUC of ROC Curve are specified. Each quadruple of measurements is evaluation of a tree kernel when applied to a training and test dataset pair. To be precise, the measurements are calculating by applying the model to the test dataset obtained by training the libSVM classifier with the training dataset. `.result` files are output of `Examiner.jar` program, and refer to *User Guide of Examiner.jar* for details of `.result` files. The program scans all the `.result` files, and outputs the averages of the measurements per a measure and a tree kernel and the p-values of paired t-text to compare between tree kernels according to each measure.

2 Options

`-p` To specify a path to a directory that includes `.result` files.