

# Instructions

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The software included in this package can be used to:

- Read data of results of  $k$  algorithms over  $N$  case problems in CSV format. The data can correspond to accuracy, AUC or any other performance measure.
- Compute the rankings through the Friedman, Friedman Aligned Ranks and Quade procedures of  $k$  algorithms over  $N$  case problems.
- Compute the Friedman, Iman-Davenport, Friedman Aligned-Ranks and Quade Statistics corresponding to the input data.
- Show the tables with the set of hypotheses, unadjusted  $p$ -values for each comparison and adjusted level of significance for Bonferroni-Dunn, Holm, Hochberg, Hommel, Holland, Rom, Finner and Li procedures:  $1 \times n$  comparison
- Show the table with adjusted  $p$ -values for the procedures  $1 \times n$  mentioned in the previous item.
- Give a report detailing the rejected hypotheses considering the levels of significance  $\alpha = 0.05$ .

The program is written in JAVA, so an installed JVM in the computer is needed in order to run it. To do this, execute:

```
java Friedman < data_file >
```

An example of data is included in the package. The output is given in  $\text{\LaTeX}$  format on standard output. We recommend to redirect the output to a file in the following manner:

```
java Friedman data.csv > output.tex
```