DRCLD

DRCLD is a tool for performing *Lexical Decision* analysis on the *activations* (.acts) files produced by **DRC1.2.x**. It uses the Grainger and Jacobs procedure described in Coltheart et. al. (2001, pp. 228-229).

DRCLD is a command-line program. It should be used from within the *Terminal* application in Mac OS X, from the *shell* in Linux or from the *Command Prompt* in Windows.

Usage Examples

Analyse a single activations file:

```
drcld file.acts
```

Analyse all activations files in the current directory, with the individual entry criterion raised to 0.75:

```
drcld --entry-criterion=0.75 *.acts
```

Show a list of the available command-line options:

```
drcld --help
```

Output

DRCLD produces one line of output for each activations file analysed. The line contains six fields:

1. The name of the file
2. The orthography identified as the input
3. The result of the lexical decision (either YES or NO)
4. The cycle at which the decision was reached
5. The reason the decision was made
6. An indication of whether the fast-guess and deadline criteria were updated during the procedure

Field 1 will be omitted if input redirection is used.

Simulating Lexical Decision with DRC 1.2.x

DRC's -a option causes it to generate an activations file for each simulation. The -c option can be used to ensure that a simulation continues even after naming criteria have been met. A simple single-word lexical decision simulation can thus be performed as follows:

```
drc -a -c word 48
drcld word.drc/word.acts
```

References

Coltheart, M., Rastle, K., Perry, C., Langdon, R. & Ziegler, J. (2001). DRC: A Dual Route Cascaded model of visual word recognition and reading aloud. *Psychological Review*, 108, 204-256.