

Tricks and Traps for Young Players

UseR! 2008

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Abstract

This presentation will illustrate for new users to R some of its very useful features that are frequently overlooked, and some frequently misunderstood features. Emphasis will be on achieving results efficiently, so there may be some value for (moderately) seasoned users as well as beginners. Many of the features discussed will be illustrated by following the development of an actual simulation project.

Issues to be discussed include:

- Using a matrix to index an array
- Vectorisation
 - user-defined functions (using `curve()`, `optimi[zs]e()`)
 - pseudo vectorisation
 - multi-dimensional
- Matrices, lists and dataframes, which are most efficient?
- Local versions of standard functions
- Resolution of pdf graphs
- `.Rhistory`
- `get()`
- `file.choose()`
- `sort()`, `order()` and `rank()`