Programming with R

We will use the programming language R in the practical. R is both, programming as well as a statistical software package including many routines for data analysis and visualization. You can get R for free at http://www.r-project.org/.

Not only the software, also are the manuals and tutorials free: An Introduction to R is on the official 100-page introduction. For those who prefer reading in German we recommend Günther Sawitzkis Einführung in S (R = Gnu S). There are also books on R, Peter Dalgaard's *Introductory Statistics with R*, Springer 2002nd is particularly recommended.

For all programming languages, we cannot overemphasis to produce readable and maintainable code. Google's R style guide can give some clues here.