

How to Install R and RStudio

What is R?

R is a programming language and open-source software for statistical analyses and graphics. R is free and is constantly developed further.

Install R

R can be downloaded for free under <http://www.cran.r-project.org/>. Depending on your operating system click on “*Download R for...*” and follow the instructions.

Install RStudio

RStudio is an environment that facilitates getting started with R, as it provides a user interface and the code can be written and saved in scripts.

RStudio has four windows:

- Script: enter, work with, comment, and save code
- Console: enter and evaluate code, show results
- Environment/History/Connections: list of all objects saved in the workspace, read in data from the user interface, etc.
- Files/Plots/Packages/Help/Viewer: help pages, see graphics, etc.

RStudio can be downloaded for free under <http://rstudio.org/download/desktop>. Using RStudio requires the prior installation of R.