A short guide to RStudio

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What is this guide?

This guide attempts to give a short guide (3-5 pages) to the basic use of RStudio. The idea is that students can self-learn the basic user interface and most commonly needed knowledge to independently use RStudio on a first statistics courses. This material is free to use and edit.

Introduction

RStudio is a graphical user interface to R. The RStudio makes it much easier to learn R and manage R programming code.

User interface

Installing and updating RStudio

To install RStudio you first need to have R installed. Here is a brief guide how to install R.

Installing R

1. Go to http://www.r-project.org
2. Click download R (see Figure 1)
3. Click one of the mirror links, e.g. if you want to download from Austria server, choose https://cran.wu.ac.at/
4. Choose your operating system (usually Windows). See Figure 2.

Note! From now on the installation instructions are different for different operating systems. We will follow instructions for isnstalling R to Windows. For Mac or Linux follow the advice on the web page or ask for help.

5. Click **install R for the first time**.
6. Click the first link on the page. At the moment of writing it is: **Download R 4.1.2 for Windows (86 megabytes, 32/64 bit)** The version number is likely to change with time.

Opening and closing RStudio

Tuning RStudio settings

Installing, updating and loading R packages

Creating an R script and running code

Saving an R script

RStudio projects

Quick commands

CTRL+R run line or selection CTRL+SHIFT+C comment/comment out CTRL+C copy CTRL+V paste