

R, RStudio & CRAN Packages: Installation Guides

***IMPORTANT:* Computer Hardware and Operating System Assumptions**

In the following installation guides, we assume that your machine runs on either Mac or Windows.

If you happen to use Linux or another operating system, certain setups can get hairier and there may be a need to consult Dr. Google heavily. You may contact the Teaching Assistants for individualized assistance, although there is no definite promise we can solve non-Mac, non-Windows problems.

1. R Installation

Go [here](#) to download a graphical installer of R appropriate for your machine's processor (32-bit / 64-bit) and operating system (Mac / Windows). Run the installer and follow its instructions to install the software into a folder you prefer.

2. RStudio Installation

RStudio is the most popular integrated development environment (IDE) for R.

Go [here](#) to download a graphical installer of RStudio appropriate for your machine's processor (32-bit / 64-bit) and operating system (Mac / Windows). Run the installer and follow its instructions to install the software into a folder you prefer.

3. CRAN Packages Installation

We need to install a number of packages from the **Comprehensive R Archive Network (CRAN)**, a repository of open-source packages developed in R.

3.1. Mac

Open the command-line terminal via the **iTerm app**.

Navigate to the **<Course Repo Folder>/Setup Guides & Tool Tutorials/R/** folder.

Run the command **Rscript RInstallPackages.R** to install the R packages necessary for this course.

3.2. Windows

Open the command-line terminal via **Start Menu > Run > cmd**.

Navigate to the **<Course Repo Folder>/Setup Guides & Tool Tutorials/R/** folder.

Run the command **[...]** to install the R packages necessary for this course.