**Installing R**

R is a programming language that focuses mainly on statistical analysis and graphics. We download R from CRAN which stands for Comprehensive R Archive Network. CRAN is mirrored at different locations across the globe and each user downloads R from the CRAN which is nearest to him/her.

Download R from the project website at: [www.R-project.org](http://www.R-project.org). Click on CRAN on the top left. This will take you to a site titled **CRAN Mirrors**. If you cannot locate CRAN Mirrors, follow this link <https://cran.r-project.org/mirrors.html> or simply type CRAN Mirrors in Google. Once you are there, either click on the **0-Cloud** link to be automatically redirected to the mirror which is geographically closest to you or scroll down to manually identify an appropriate mirror. I live in Cyprus and the mirror nearest to me is the one provided by the University of Cyprus, so I will choose that one.

Graphical user interface, text, application, email

Description automatically generated

A picture containing timeline

Description automatically generated

You will then need to select the R version which is appropriate for your computer’s operating system. After you download R, you can begin the set up.

Graphical user interface, text, application, email

Description automatically generated

If you are on windows…

For mac users…

If you are on a linux…

The R interface…

**Installing Rstudio**

We can open the R interface to input code but there are much better and productive ways such as Rstudio. Rstudio is a Graphical User Interface (GUI) for R.

To download Rstudio visit: [www.rstudio.com/products/rstudio/download](http://www.rstudio.com/products/rstudio/download). Download the free Rstudio Desktop version and select the version which complies with your operating system. Begin the setup.

**Rstudio quadrants and menu bar**

Graphical user interface

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*From Johns Hopkins course*

When you open Rstudio it should be similar to this. If you are missing the upper left quadrant (the source) go to File > New File > R Script. Click and drag the spaces between quadrants to change their size.

**Notes for the author:**

*Rstudio history tab*

Graphical user interface, text, application

Description automatically generated

*Files/help/plots/packages panel*

Graphical user interface, application

Description automatically generated

Chart, scatter chart

Description automatically generated

How to check R version: sessionInfo()