

# Statistics for Business and Economics I

## Excerpt from Syllabus 2020–2021

Luc Hens

**Installing R and RStudio (Windows)** Point your browser to the R Project Homepage:

<http://www.r-project.org>

Follow the link “Download” > CRAN. Select a CRAN Mirror in Belgium (it doesn’t matter which one). Select “Download R for Windows.” Click on “base” or “install R for the first time.” Click on “Download R 4.0.3 for Windows” (the version number may be more recent than 4.0.3). Your browser starts to download the file R-4.0.3-win.exe (the version number may be more recent than 4.0.3) to your computer, probably to the Downloads directory. Once downloaded, double-click the file to install.

Then point your browser to the RStudio downloads page:

<https://rstudio.com/products/rstudio/download/>

The first column shows

RStudio Desktop Open source license

Click on the “DOWNLOAD” button. Then click on the button “Download RStudio Desktop.” Your browser starts to download RStudio-1.4.1103.exe (the version number can be more recent than 1.4.1103) to your computer, probably to your Downloads directory. Once downloaded, double-click the file to install.

**Installing R and RStudio (macOS)** Point your browser to the R Project Homepage:

<http://www.r-project.org>

Follow the link “Download” > CRAN. Select a CRAN Mirror in Belgium (it doesn’t matter which one). Select “Download R for (Mac) OS X.” Click on the link R-3.6.2.pkg (the version number may be more recent than 3.6.2). Your browser starts to download R-3.6.2.pkg (the version number may be more recent than 3.6.2) to your computer, probably to your Downloads folder. Once downloaded, double-click the package to install. The installer will put R.app in the Applications folder.

Then point your browser to the RStudio downloads page:

<https://rstudio.com/products/rstudio/download/>

The first column shows

## RStudio Desktop Open source license

Click on the “DOWNLOAD” button. Then click on the button “Download RStudio Desktop.” Your browser starts to download RStudio-1.4.1103.dmg (the version number can be more recent than 1.4.1103) to your computer, probably to the Downloads directory. Once downloaded, double-click the file to install. Once downloaded, double-click the .dmg file to install. A window “RStudio-1.4.1103” opens. In the left side of the window there’s an alias of the Applications folder; in the right side there’s an icon that says RStudio.app. Drag the RStudio.app icon to the alias of the Applications folder. The installer will now put RStudio.app in the Applications folder. Go to the Applications folder and drag the RStudio icon to the Toolbar to have easy access to RStudio. Go to Finder and open a new Finder window (File > New Finder Window). Scroll down the left panel until you see, under “Locations”: RStudio-1.4.1103. Click on the eject button.

**Running R in RStudio:** After you installed R and RStudio on your PC or Mac, locate the RStudio icon in your Applications folder or Toolbar in macOS or where your applications are listed in Windows. Click the RStudio icon. RStudio starts up and shows a window very much like figure 1. The pane at the left is

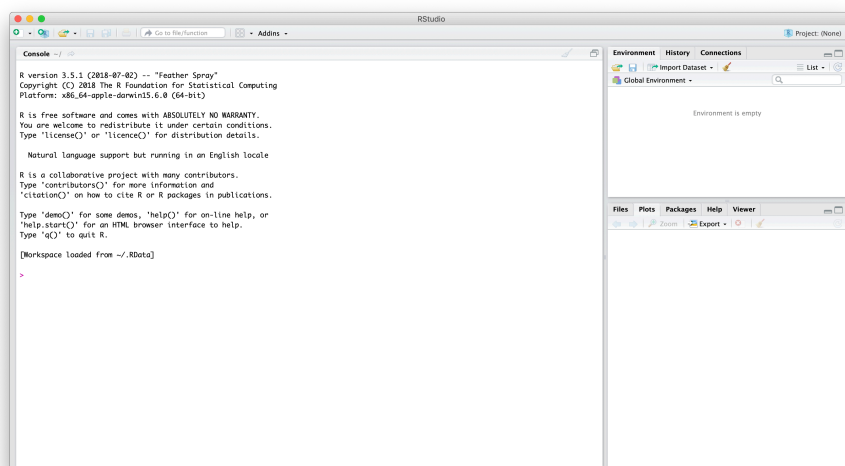


Figure 1: RStudio window (in macOS)

called Console. In the Console pane some text appears: the version number of R and some information about the program, followed by a prompt (>) and a blinking cursor, waiting for your input. After the prompt, type

```
1 + 2
```

and press the return key. The Console pane will show the result. The result is preceded by [1] to indicate that this is the first line of the result—some results run over more than one line.

You are ready to crunch numbers! You can now remove the .dmg, .pkg, and .exe files you downloaded.