https://edcarp.github.io/2020-06-16-sfc-online/setup-r-workshop

https://datacarpentry.org/R-ecology-lesson/

- Go to https://www.r-project.org/

- Go to the download link

- Choose your CRAN mirror nearer to your location (either Bristol or Imperial College London)

- Download the correspondent version depending if you are using Windows Mac or Linux

  - For **Windows** click on **install R for the first time.** Then **download R 4.0.1 for Windows** and follow the installation widget. If you get stuck follow this video tutorial

    https://www.youtube.com/watch?v=GAGUDL-4aVw

  - Form **Mac** Download **R-4.0.1.pkg** and follow the installation widget. If you get stuck follow this video tutorial https://www.youtube.com/watch?v=EmZqIcKkJMM

  - For **Linux** go on the correspondent subfolder and follow the normal path you do for installing new software. If you are using Ubuntu you can follow this guide

    https://www.youtube.com/watch?v=kF0-FH-xBiE   [Credit to Lucia Michielin]

+1 Uninstalling earlier R version, visit: https://cran.r-project.org/bin/windows/base/rw-FAQ.html#How-do-I-UNinstall-R_003f

- Once R is installed you can install R studio (R interface)

- Go to www.rstudio.com

- Go in download

- Download the correspondent version depending on your Operating system and install it.

- Open the R studio interface and if it is looking like this

- If you already using R/ RStudio: be sure they are up-to-date!
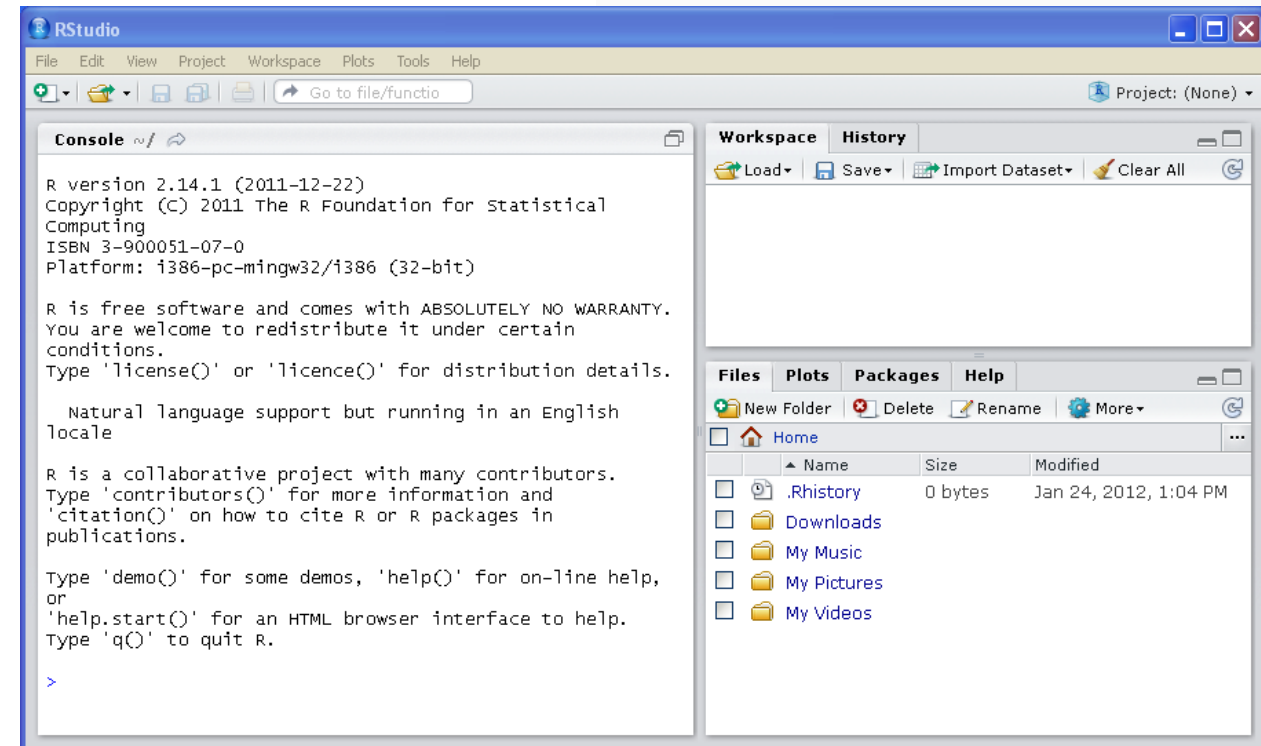
[Credit to Lucia Michielin]

Download and unzip the data to a preferred working directory

https://ndownloader.figshare.com/articles/1314459/versions/9 [compressed files]

https://figshare.com/articles/Portal_Project_Teaching_Database/1314459

Brief

"The Portal Project Teaching Database is a simplified version of the Portal Project Database designed for teaching. It provides a real world example of life-history, population, and ecological data, with sufficient complexity to teach many aspects of data analysis and management, but with many complexities removed to allow students to focus on the core ideas and skills being taught."
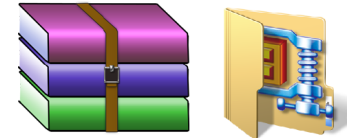
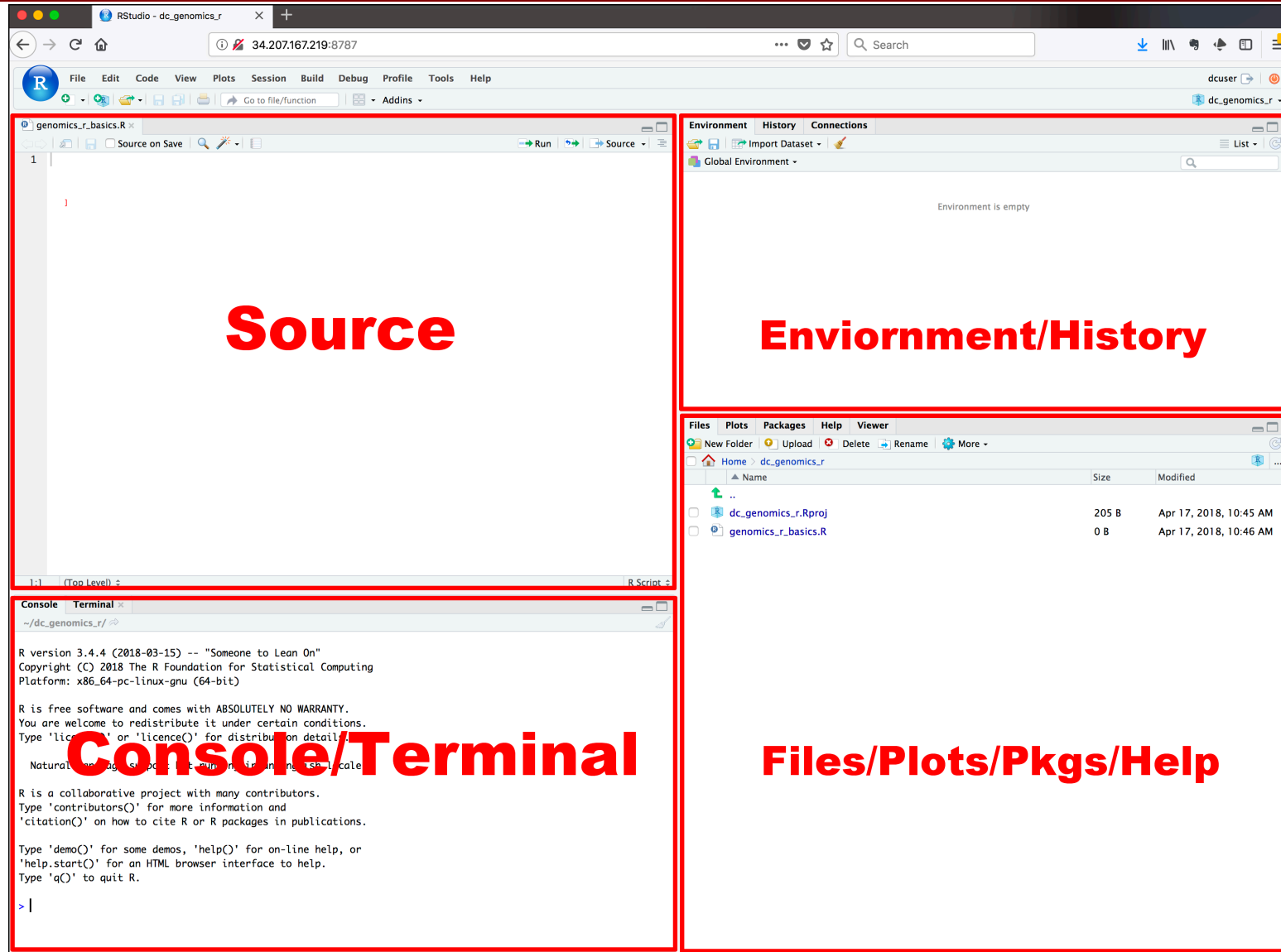1. Download compressed files from online repository
2. Decompress (e.g. unzip) file(s) into preferred working directory
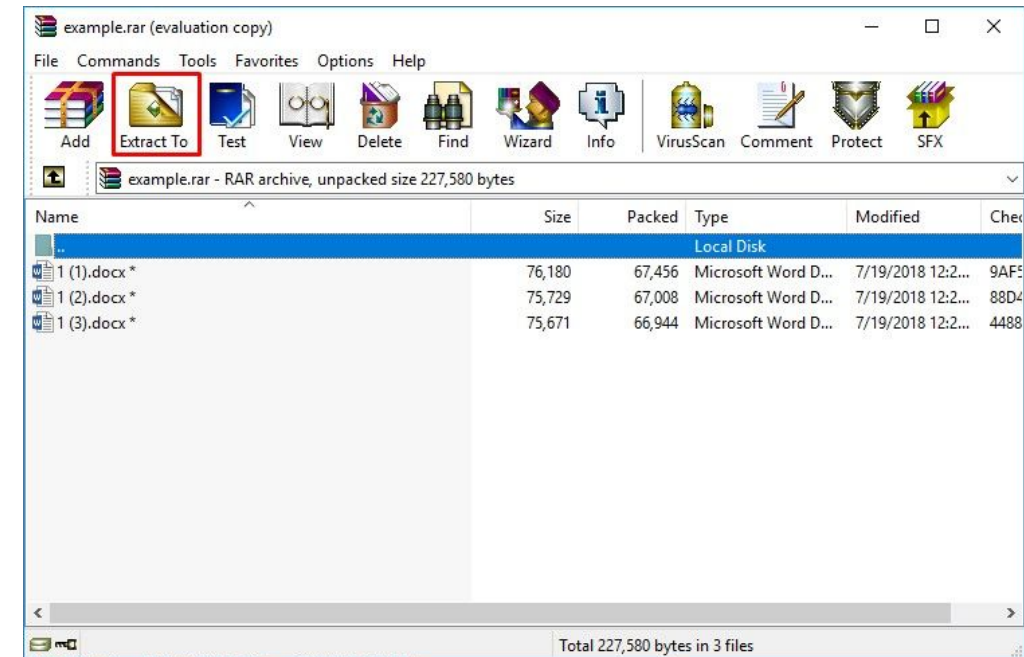
R script handout download URL:

https://datacarpentry.org/R-ecology-lesson/code-handout.R

RStudio IDE Cheatsheet

https://github.com/rstudio/cheatsheets/raw/master/rstudio-ide.pdf

RStudio keyboard shortcuts

[Menu bar/] *Tools → Keyboard Shortcuts Help, e.g.:*

• **Save**: Ctrl (Cmd) + S

• **Execute/ run script or command/ instruction**: Ctrl (Cmd) + Enter

• **Autofill**: press 'Tab'

• **Comment single line/ multiple lines**: Shift + Ctrl (Cmd) + C **OR** everything after the *hash* '#' symbol will be interpreted as a comment

Cheatsheets

https://rstudio.com/resources/cheatsheets/

Before we start…   **Please be aware..**
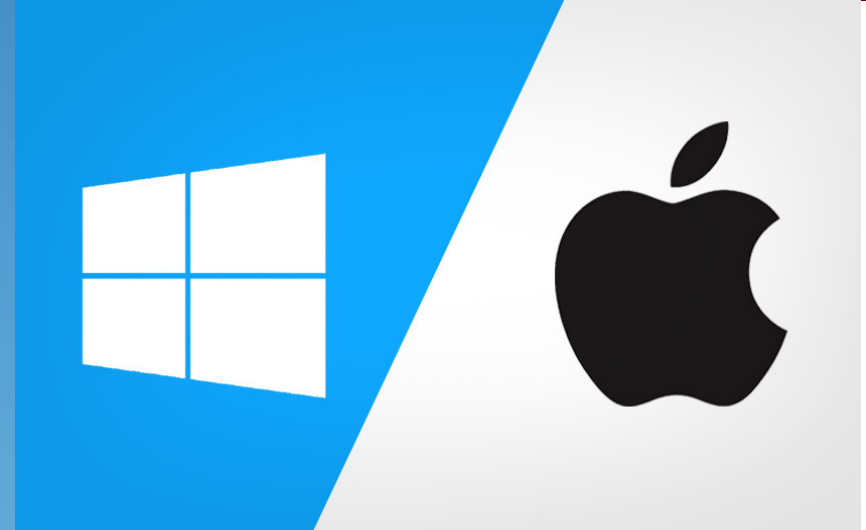
R/ RStudio can behave slightly differently when running on different OS (e.g. Windows vs UNIX [e.g. Mac or Linux] machines) and even on the same OS different software versions can 'surprise' us.

Comprehensive R/Studio tutorials:

https://media.ed.ac.uk/tag/tagid/healthyr