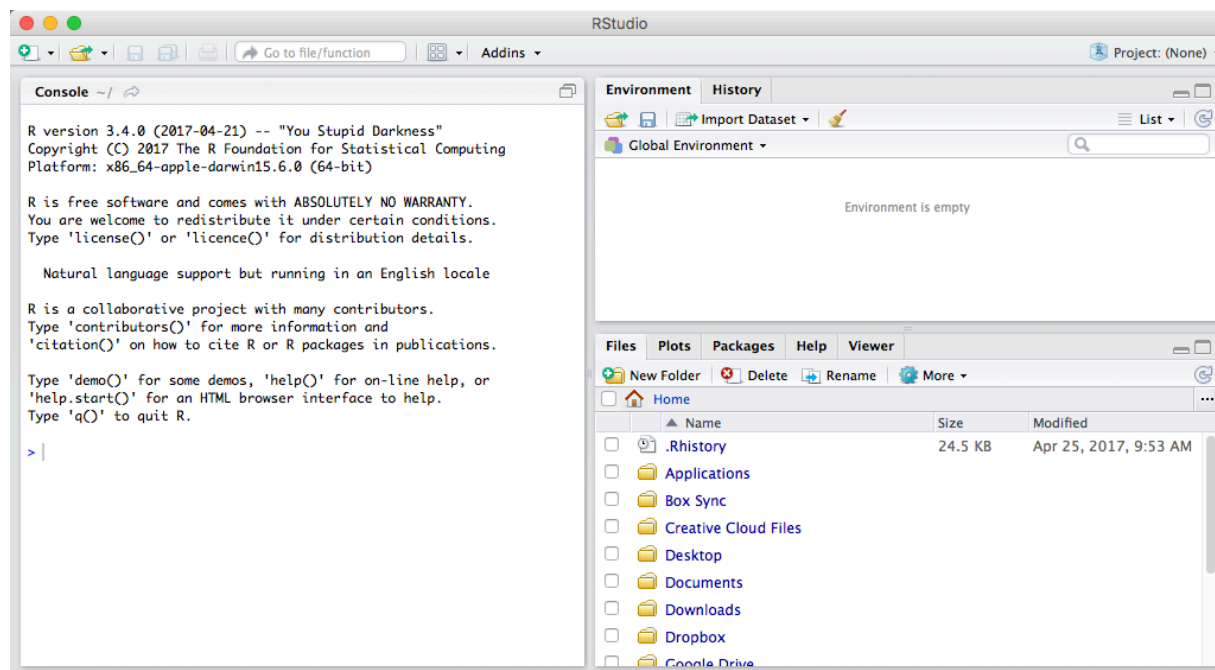
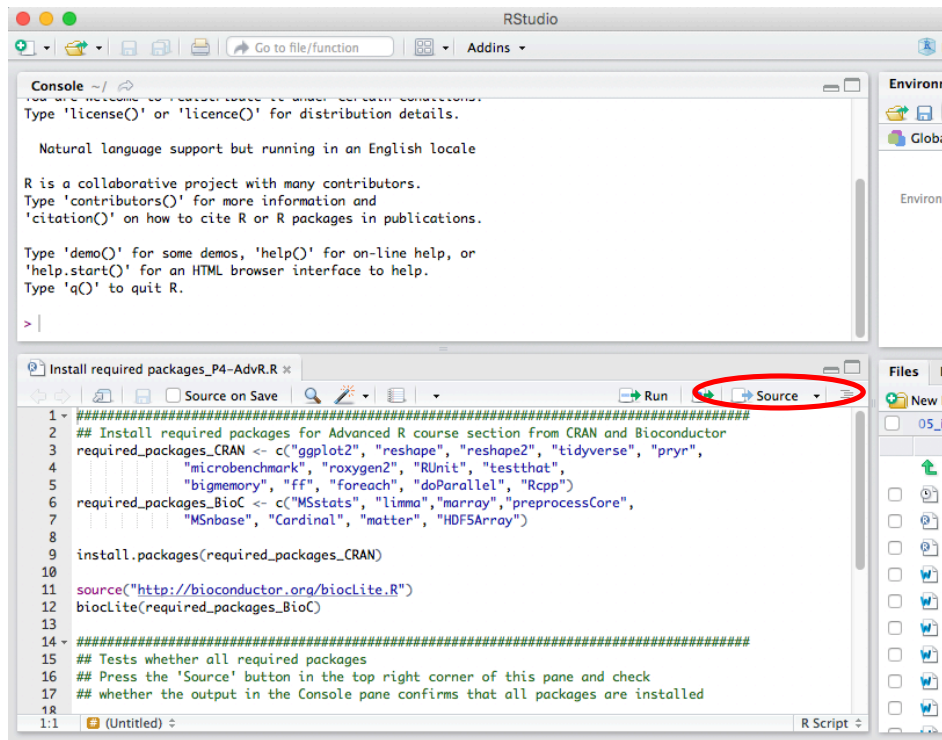


Installation instructions for the R, R studio and required packages

- 1) Download and install the latest version of R (currently 3.4.0) for your platform [here](https://cran.r-project.org/) (https://cran.r-project.org/). Accept all default options during installation.
!! There might be issues if people don't have administration rights on your computer. Then, please work with people who can handle administration rights on your computer.
- 2) Download and install the latest version of Rstudio desktop (currently 1.0.143) for your platform [here](https://www.rstudio.com/products/rstudio/download/) (https://www.rstudio.com/products/rstudio/download/). Again, accept all default options during installation.
- 3) Now launch Rstudio. You should see a screen similar with this. Check that the text in the **Console** pane reads R version 3.4.0



- 4) (Optional) To be able to run the examples to be presented in the “Scalability” section, please also install the additional tools for building compiled R packages from source code.
 - a. On Windows: Install “Rtools” from [here](https://cran.r-project.org/bin/windows/Rtools/) (https://cran.r-project.org/bin/windows/Rtools/).
 - b. On Mac: Install Xcode developer tools. There are several ways to do this:
 - i. The easiest way to do this is to install Xcode from the App Store. However, Xcode is a large download, so this may take some time depending on your connection.
 - ii. Install the Command Line Tools from the Apple Developer website [here](https://developer.apple.com/download) (https://developer.apple.com/download).
 - iii. Follow the instructions [here](http://osxdaily.com/2014/02/12/install-command-line-tools-mac-os-x/) to install from the Terminal (http://osxdaily.com/2014/02/12/install-command-line-tools-mac-os-x/)
- 5) Finally, install required packages. To do so: Rstudio through the **File > Open File...** > select the attached R script, '**Install required packages_P4-AdvR.R**'. Press the '**Source**' button in the top right corner of the script pane (as captures below).



!! They might be asked to update existing packages as below. Answer (push) 'y' and push 'Enter'.

```

* installing *source* package 'RforProteomics' ...
** R
** data
** inst
** preparing package for lazy loading
** help
*** installing help indices
** building package indices
** installing vignettes
** testing if installed package can be loaded
*** arch - i386
*** arch - x64
* DONE (RforProteomics)

The downloaded source packages are in
'C:\users\ccpguest.SYSBIOL\AppData\Local\Temp\RtmpSweDNj\downloaded_packages'
old packages: 'foreign'
update all/some/none? [a/s/n]:
|

```

If all packages are installed, 'ALL PACKAGES ARE INSTALLED, WE'RE GOOD TO GO!' will be shown in 'Console' (top left corner).