R on proxy server (Mac chapter)

- This README shows the procedures to run R (and RStudio) inside a proxy server (usually in universities and academics environments).

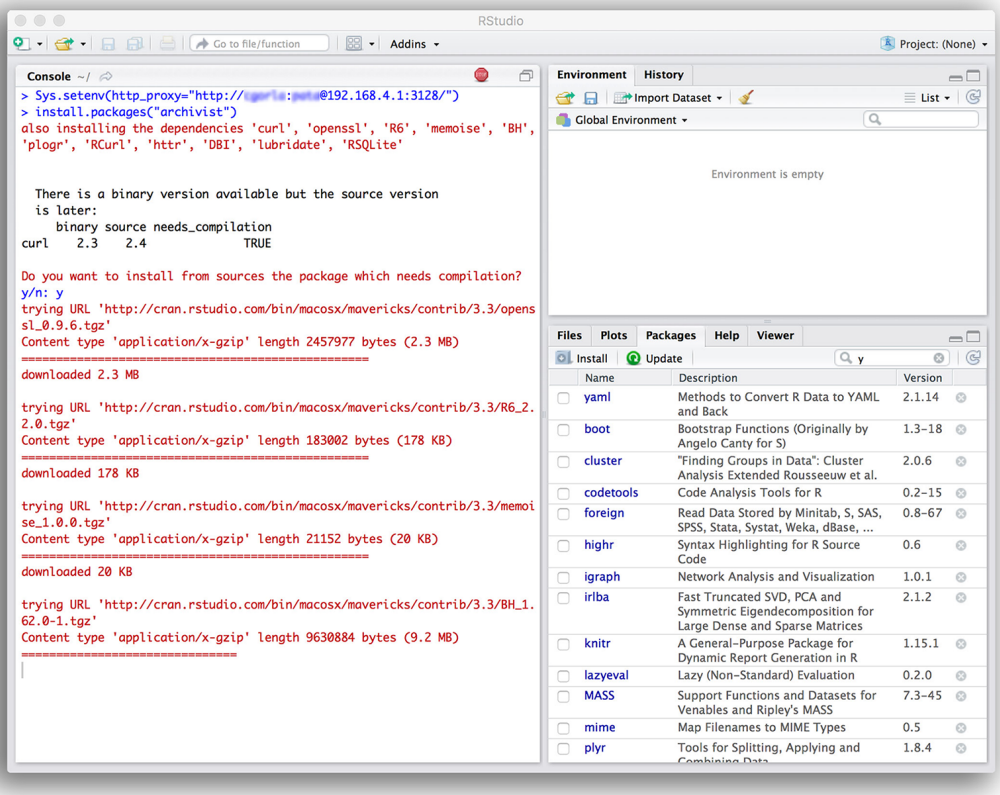
How do I get set up?

- Summary of setup:
  - Install software
  - Run it
  - Run script
- Software needed:
  - R
  - RStudio Desktop
  - Update to the latest version of R and RStudio to minimize incompatibilities.
- Software version (tests):
  - RStudio (Mac OSX version): 1.0.136
  - R (Mac OSX version): 3.3.3 GUI 1.69 Mavericks build (7328)
- Procedures:
  - Install R
  - Install RStudio Desktop
  - Previously, gather information about the configuration of your proxy server: `IP address`, `port`, `username`, `password`

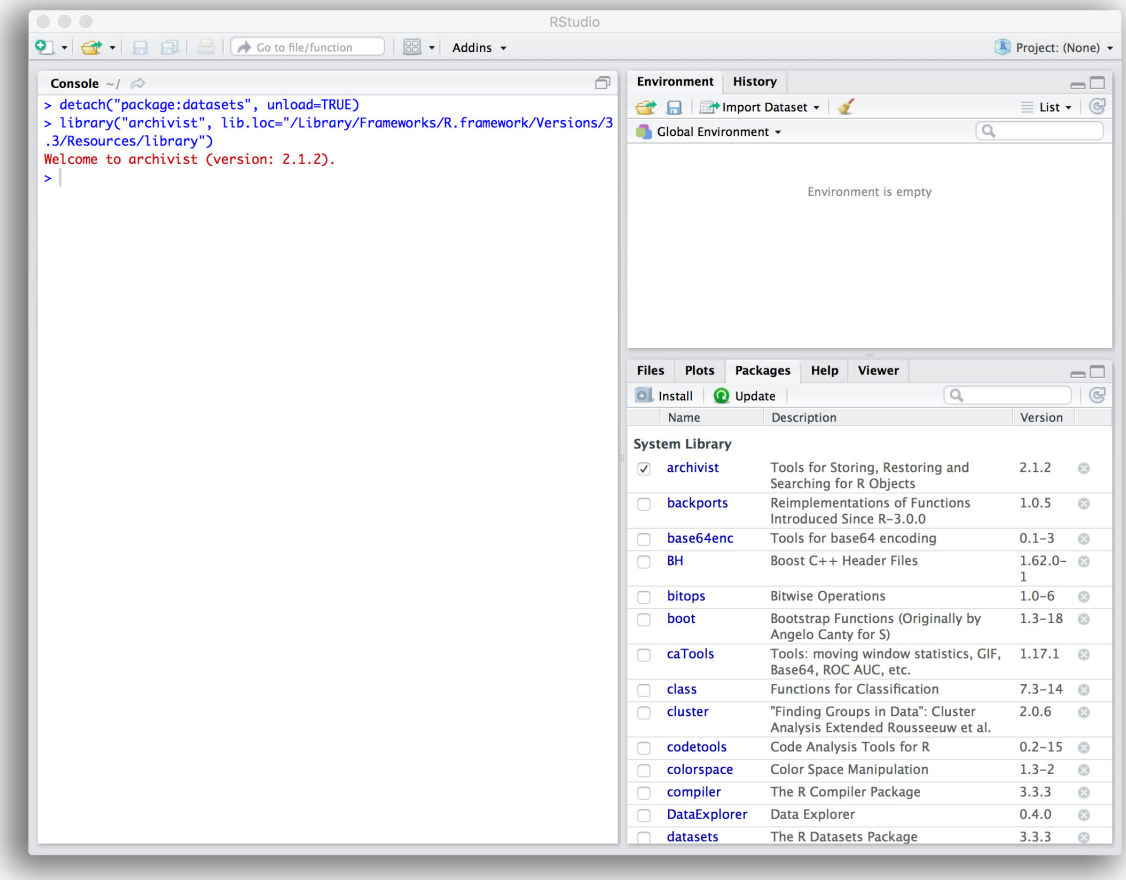
Mac OSX environment

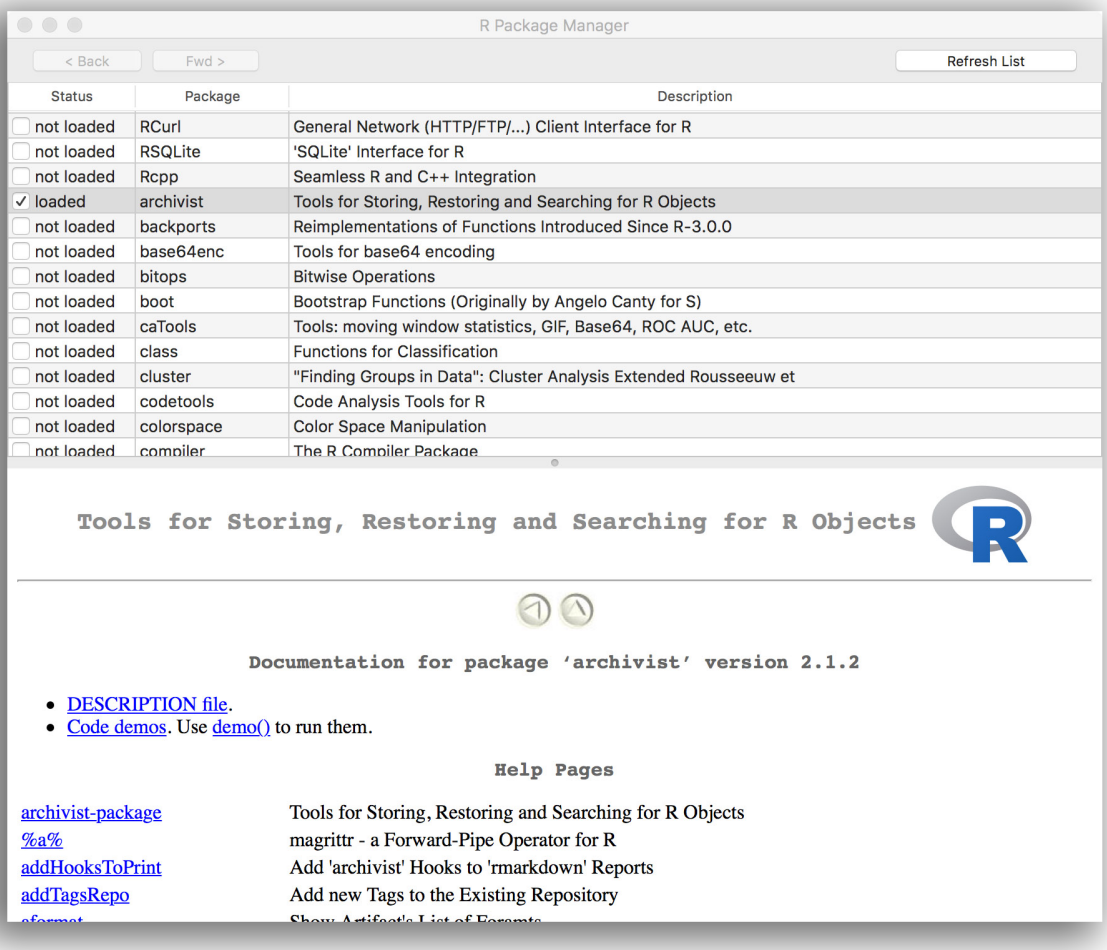
- Deployment:
  - Run RStudio

- In the Console run this script:
  - `Sys.setenv(http_proxy="http://username:password@19X.16X.X.X:3XXX/")`
- where `username` must be replaced with your username; `password` with your password; `19X.16X.X.X` *i.e.* with this IP address `192.168.4.1` and `3XXX` *i.e.* with this port: `3128`
- Inside RStudio, click on the `Tools` menu, then `Install packages`. See below, installing the `archivist` package and all the dependencies involved.



- Once you download your packages, they will appear automatically in both software: RStudio and R.
- See below, the package `archivist` version 2.1.2 recognized.


RStudio
Go to file/function
Addins
Project: (None)
Console ~/
> detach("package:datasets", unload=TRUE)
> library("archivist", lib.loc="/Library/Frameworks/R.framework/Versions/3.3/Resources/library")
Welcome to archivist (version: 2.1.2).
>
Environment
History
Import Dataset
List
Global Environment
Environment is empty
Files
Plots
Packages
Help
Viewer
Install
Update
Name
Description
Version
System Library
archivist Tools for Storing, Restoring and Searching for R Objects 2.1.2
backports Reimplementations of Functions Introduced Since R-3.0.0 1.0.5
base64enc Tools for base64 encoding 0.1-3
BH Boost C++ Header Files 1.62.0-1
bitops Bitwise Operations 1.0-6
boot Bootstrap Functions (Originally by Angelo Canty for S) 1.3-18
caTools Tools: moving window statistics, GIF, Base64, ROC AUC, etc. 1.17.1
class Functions for Classification 7.3-14
cluster "Finding Groups in Data": Cluster Analysis Extended Rousseeuw et al. 2.0.6
codetools Code Analysis Tools for R 0.2-15
colorspace Color Space Manipulation 1.3-2
compiler The R Compiler Package 3.3.3
DataExplorer Data Explorer 0.4.0
datasets The R Datasets Package 3.3.3



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