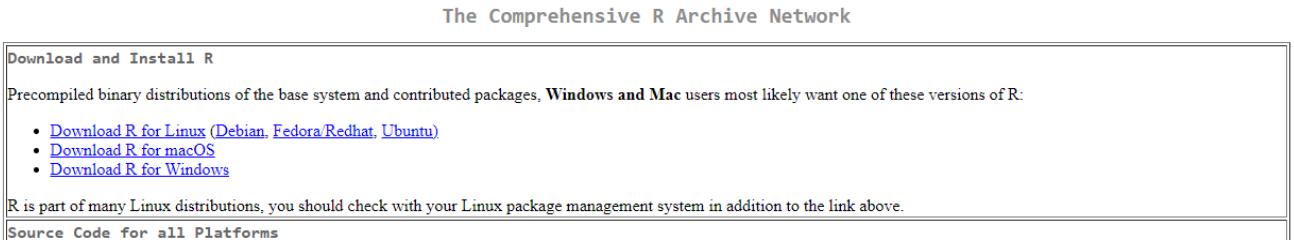
Installing R, RStudio, and RTools on a Windows Computer

1. Install R
    a. The website for R is https://www.r-project.org/
    b. To download it, go to https://cran.r-project.org/mirrors.html and select a mirror. Here are the ones nearby:
        i. Paris - https://cran.irsn.fr/
        ii. Brussels - https://ftp.belnet.be/mirror/CRAN/
    c. You'll get to a page that looks like this:


The Comprehensive R Archive Network

Download and Install R

Precompiled binary distributions of the base system and contributed packages, **Windows and Mac** users most likely want one of these versions of R:

- Download R for Linux (Debian, Fedora/Redhat, Ubuntu)
- Download R for macOS
- Download R for Windows

R is part of many Linux distributions, you should check with your Linux package management system in addition to the link above.

Source Code for all Platforms

    d. Click on the link for your operating system. For Windows, you'll see something that looks like this:
    e. Click install R for the first time. You'll see something like this:
    f. Click on Download R 4.1.2 for Windows
    g. Run the downloaded file (R-4.1.2-win.exe).

2. Install RStudio

    [Not essential, many like working in RStudio, I prefer simply working directly in R.]

    RStudio needs R to be installed separately.

    a. Go to https://www.rstudio.com/

    b. Click on Download Rstudio

    c. There will be several versions. You want RStudio Desktop – Open Source License. It should be the one all the way to the left. Click the **"download"** button.

    d. Select your platform (e.g. RStudio 1.1.423 - Windows Vista/7/8/10 for Windows). This will download the file to your computer.

    e. Run it. (Click next; install; finish)

3. *Install Rtools*
    a. Go to http://cran.r-project.org/bin/windows/Rtools/

b. download the most recent version (probably rtools40-x86_64.exe) and follow further instructions

4. *Install an appropriate editor*

Not necessary if you use RStudio (has a good built-in editor)

Not essential for working directly in R.

a. *On Linux/Unix: Vim or EMACS with ESS*

b. On Windows: Notepad++ with NppToR

https://notepad-plus-plus.org/

https://sourceforge.net/projects/npptor/

(Nice introduction to NppToR in a ppt presentation of the developer, Andrew Redd: link)