How to Install R and R Studio
Windows Users
Version Fall 2020

R is a free software for statistical computing and graphic. Its learning curve is a bit steep. But, fortunately for us, there also exists R Studio. R Studio is a user interface that allows the user to run R in an environment that is much more friendly, especially for new users. In this course, we will be using R from within R Studio.

R and R Studio are separate packages!!!! **YOU WILL NEED TO INSTALL R FIRST.**

1. **Download and Install R**

    1) Go to http://www.r-project.org/
       In "Getting Started", **Click on "Download R" or "CRAN mirror"**.

    2) Under **"CRAN mirrors"**, choose one of the URLs from **"USA"** (you can choose any location actually!!)

       Under **"The Comprehensive R Archive Network"**, in the box "Download and Install R", **click on "Download R for Windows."**

    3) Under "R for Windows", **click on "Install R for the first time"**.

    4) Under R-4.0.2 for Windows (32/64 bit), click on "Download R 4.0.2 for Windows"

    - At the time of writing, 4.0.2 is the current version. However, you should use whatever version shows up as the most recent.
    - You may need to save the file "R-4.0.2-win.exe." If so, click on it to execute it. When the dialog box opens, click "RUN." A Setup Wizard should appear. Keep clicking "Next" (or change features if you understand them), until it is finished. You should now see R icon on your desktop.

2. **Download and Install R Studio**

    1) Go to http://www.rstudio.com.

2) Click on "Download R-Studio" and follow the directions: choose the free version, "R Studio Desktop, open source license". During installation, choose default answers for all questions.

3) Download R-Studio Desktop 1.3.1073

4) Put the R Studio shortcut onto your desktop

Using R and R Studio

To use R and R Studio, simply click on the R Studio icon. It is NOT necessary to click on the R icon, too.

Existing R and R Studio

You can exit both at the same time from the menu bar at top: File – Quit R Studio

Upgrading R on Windows

Upgrading R on Windows needs to install the {installr} package.

First Install the installr package if you do not have it.

```
# installing/loading the package:
if (!require(installr)) {
    install.packages("installr")
    require(installr)
}
```

Now call undateR() function to call update. This will start the updating process of your R installation. It will check for newer versions, and if one is available, will guide you through the decisions you would need to make.

```
# using the package
updateR()
```

The link below is a step by step (screenshots) tutorial for upgrading R on Windows, which goes into more details. Please follow the directions to complete the upgrading if you want.

https://www.r-statistics.com/2015/06/a-step-by-step-screenshots-tutorial-for-upgrading-r-on-windows/

Updating RStudio on Windows

Updating R Studio is easy, just go to Help – Check for Updates to install newer version.