# Install/Update R & RStudio

Before the first session:

You need to have R, Rstudio, and the Tidyverse installed (and updated!). Please follow the instructions below (in order) to ensure you have all you need.

Do you already have R and RStudio installed? IF YES, skip down to the "I have R installed"

## “I do not have R installed”

You should install R, RStudio, and tidyverse.

1. Installing R
   1. Windows:

Go to https://cloud.r-project.org/bin/windows/base/

Click the “Download R 3.5.2 for Windows” link.

When the file finishes downloading, double-click to install. You should be able to click “Next” to all dialogs to finish the installation.

* 1. Mac:

Go to https://cloud.r-project.org/bin/macosx/

Click the link “R-3.5.2.pkg”

When the file finishes downloading, double-click to install. You should be able to click “Next” to all dialogs to finish the installation.

1. Installing RStudio

Go to https://www.rstudio.com/products/rstudio/download/#download.

Under “Installers for Supported Platforms” select the appropriate installer for your operating system:

When the file finishes downloading, double-click to install. You should be able to click “Next” to all dialogs to finish the installation.

1. Installing tidyverse

Open RStudio. Go to Tools > Install Packages. Enter tidyverse, then select Install.

## “I have R installed”

The class will run more smoothly when everyone is using the same version of R and tidyverse. Please update R, tidyverse, and RStudio.

1. Verify R version

Open RStudio. At the top of the Console (the lower lefthand box in RStudio) you will see session info. The first line tells you which version of R you are using. If RStudio is already open and you are deep in a session, type R.version.string to print out the R version.

Do you have R version 4.0.3 (“Bunny-Wunnies Freak Out”) installed? If not, please follow the instructions for updating R; if so, confirm RStudio and Tidyverse are installed/updated (see below).

* 1. Updating R
     1. Windows

To update R on Windows, try using the package installr (only for Windows)

Open R (NOT Rstudio)

Run the following lines of code:

install.packages("installr")

library(installr)

updateR()

This will give you prompts asking if you want to update to the newest version - go through the installation process to update R.

* + 1. Mac

On Mac, you can simply download and install the newest version of R from the web. When you restart RStudio, it will use the updated version of R.

1. Updating RStudio

From within RStudio, go to Help > Check for Updates

Install newer version of RStudio (if available).

1. Updating Tidyverse

From within RStudio, to update packages, go to Tools > Check for Package Updates.

If updates are available, select All (or just tidyverse), and click Install Updates.

Email me if you're having trouble getting any of these three items downloaded/updated/etc. DO NOT get frustrated and give up. I will expect that everyone has this sorted out before our first class.

Thanks!