How to install R and RStudio on your computer

Austin Nuckols | tnukols@emory.edu

1. Download R version 4.0.3
1.1 Download R **for the first time**
   https://mirrors.nics.utk.edu/cran/
   ➢ Choose 'Download R for ___ {OS}' depending on what you have
   For Windows
   ➢ Choose the bolded link 'install R for the first time.'
   ➢ Choose the 'Download R 4.0.3 for Windows' and run the installer after it's done downloading
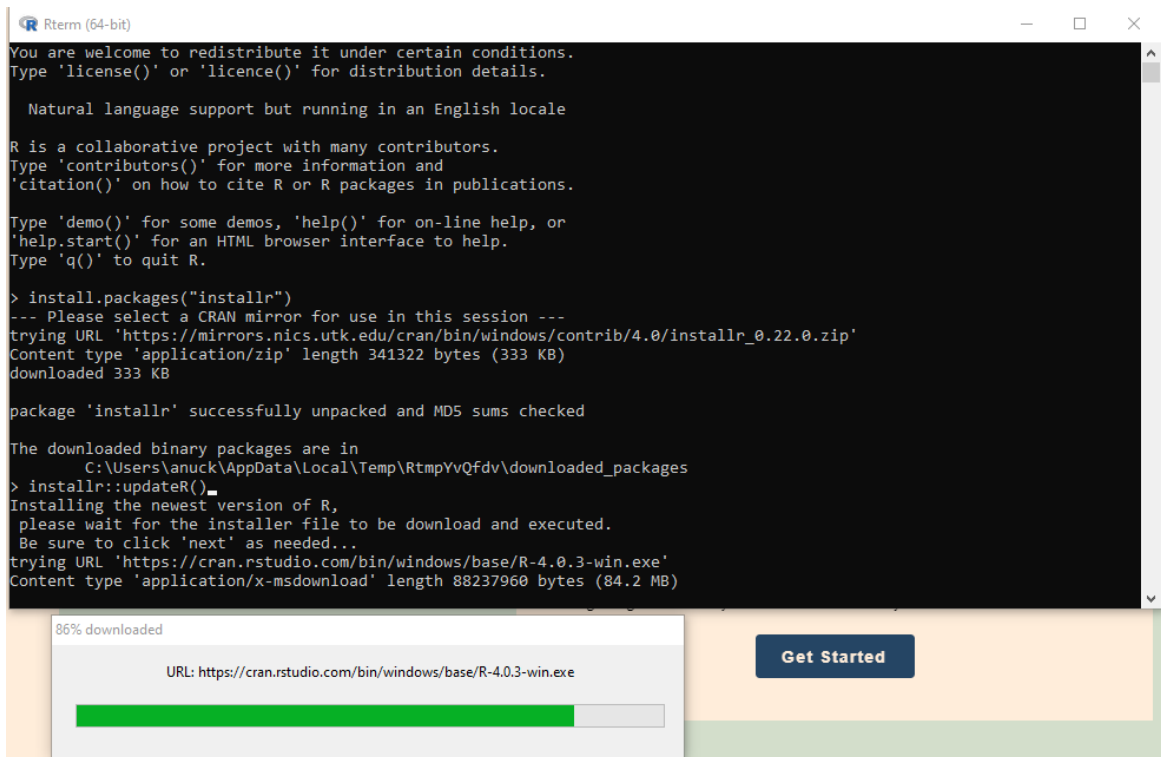   For Mac
   ➢ Choose R-4.0.3.pkg and run once installed
      i. If you have a legacy OS X system for your Mac, look for the version that is compatible with your current OS version. To note, R version 3.6.3 should be compatible with our demo. I have not tried R version 3.3.3, but it should also be compatible.

1.2 Update R (if you have it previously installed)
   Here is a great walkthrough with pictures: https://www.r-statistics.com/2015/06/a-step-by-step-screenshots-tutorial-for-upgrading-r-on-windows/
   I have also included directions below:
      ➢ Open R from the terminal or from RGui (NOT RStudio)
      ➢ Code: install.packages("installr")
         i. This ensures that you have this package installed. If it asks you which CRAN mirror to use, pick one of the ones for the U.S. I like the one based in TN.
      ➢ Code: installr::updateR()
         i. *See picture below*
         ii. It will prompt you with a window showing your current version and what the newer version is along with the release dates for both.
      ➢ Navigate through the prompts to download the newest version of R
      ➢ After the installer is downloaded, select your language, accept the terms, and choose a directory for your R folder to live. It is fine to allow the default option. Importantly, if you have your other versions of R saved in a different directory, try to save this new version in that same directory - This will help with copying your old packages to your new version of R.

          i.   Note: you may be able to find where your current R is by opening your Command Prompt, Terminal, or Bash terminal and typing 'where R'. This works on GitBash for Windows as long as R is in your PATH. If you can't find where the old R folder is saved, it's not a big deal. Just save the new R folder in a directory that you like -- the packages can be re-installed when you need to use them

➢ After this, answer the questions about if you want to copy your old packages over and if you want to keep the old packages installed on your previous version -- I think this is a good idea since you may want to switch back a version if you're doing a particular project

          i.   Note: Copying over old packages may take awhile

2. Download RStudio - download version 1.3.1093 for your OS
   https://rstudio.com/products/rstudio/download/

When all is done, you should be able to open RStudio which will open your "developer environment." RStudio should know exactly where your R engine is and be able to access it when you want to code. You are now ready!