

Software Installation Instructions  
As of (07.12.17)

*Installing R*

1. Go to the R website: <http://www.r-project.org/>
2. In the getting started box, select the hotlink “download R”
3. Select the CRAN mirror (i.e., sever) nearest to your location (probably National Institute for Computational Sciences, Oak Ridge, TN)
4. Select the operating system for your computer.
5. Going forward, we will demonstrate with Windows
6. Select “Download R for Windows”
7. Select “base” option from the subdirectories
8. Select “Download R 3.4.1 for Windows (32/64 bit)
9. Run the downloaded file (named “R-3.4.1-win.exe”) and select English in the first dialog box
10. Press “Next” for the next two dialogue boxes
11. Select a location to install R (simply use the default location if the location is not important to you) and press “Next”.
12. You have the option to install the 32-bit and/or the 64-bit versions of R. If you are not using a 64-bit computer, you must install the 32-bit version. But if you have a 64-bit computer, select that option as its performance will be better.
13. Decide whether or not to create a shortcut in the Start Menu folder. Press \Next."
14. Decide whether or not to create desktop or Quick Launch icons (top two choices) and whether to register the version number and associate .RData files with R (bottom two choices). Generally, you will want to register the version number and associate the .RData files with R. Press \Next."
15. If all goes as planned, you should get a final dialogue box at which point you can press “Finish”.

*Installing RStudio*

1. Go to the RStudio website: <http://www.rstudio.com/ide/>
2. Select the blue box that reads “Download RStudio”
3. Select the box that reads “Download RStudio Desktop”
4. Select the version that is recommended for your computer (in my case, RStudio 1.0.143-Windows XP/Vista/7/8)
5. Run the downloaded file (named “RStudio 1.0.143 - Windows XP/Vista/7/8”) and select English in the first dialog box
6. Select a location to install RStudio (simply use the default location if the location is not important to you) and press “Next”.
7. Decide whether or not to create a shortcut in the Start Menu folder. Press \Install."
8. If all goes as planned, you should get a final dialogue box at which point you can press “Finish”.

### *Setting up RStudio*

1. Open RStudio
2. Select the “Tools” menu and “Options submenu. Confirm that the correct version of R is followed by the correct location of R in the “R version” box. If not, change it to the correct version and location.
3. Select the “Packages” icon and select “change” set the CRAN mirror that you will be using going forward (again, the National Institute for Computational Sciences, Oak Ridge, TN is the closest).
4. Select “Code Editing” in the “Options” dialogue box and check of a few addition options: “Highlight selected line”, “Show margin”, and “Show syntax highlighting in console input.” Finally select “OK”.

### *Installing MikTeX*

1. Go to the MikTeX website: <https://miktex.org/download>
2. Click the blue Download button.
3. Click the Run application button.
4. At the first installation wizard window, check to accept the MikTeX copying conditions and then click “Next.”
5. Decide if MikTeX will be a shared installation and then click “Next.”
6. Select the location to install MikTeX (simply use the default location if the location is not important to you) and click “Next”.
7. MikTeX then asks you to select a preferred paper size. Accept defaults and click “Next.”
8. The installation wizard then lets you review the settings. If everything looks good, click the “Start” button.
9. When MikTeX finishes its installation, click “Next” to open the last page.
10. And finally, click “Close” to exit the installation wizard.