

Installing “R” Worksheet

Purpose: This mini module will guide you through how to install a program locally and then compare it to how you load a module. Once you have both loaded/installed, try bounding back and forth between the two.

A) Install and run an older version of R:

1. Go to <https://cran.r-project.org/src/base/R-3/>
2. Copy the link to any particular version
3. Type: “wget [paste your link here]” into Joker
4. Unpack the file (tar -xf <filename>, in case you forgot)
5. cd into the newly created directory. Figure out how to install...
(the README file is always a good place to start)
 - a. ./configure
 - b. make
 - c. make check
6. Once you think R is installed and have checked (see the documentation!), run it!
 - a. (“bin/R” while you’re in the R directory)
 - b. Make a note of what version R loads
 - c. To quit R type “q()” and hit enter
7. Try navigating around and see what happens if you’re not in the R directory when you try to call the program.

B) Load and run R into your local environment using module:

1. “module load R[tab]”
 - a. tab to complete
 - b. see the options – what are they?
 - c. pick one, hit enter
2. Type: “R”
 - a. What does the header info tell you about the software?
 - b. What version is it?
 - c. To quit R type “q()” and hit enter
3. Try navigating around and see what happens if you’re not in the R directory when you try to call the program
4. “module rm [tab to complete]” to remove a module
5. Next, try “module load R”
 - a. What happens? What version is loaded?