

## Installing R:

My apologies if these instructions are simple minded. My guess is most of you can do this in your sleep, but I want to make sure we're all able to install R and get going.

These instructions install just the basic R package, which is actually enough to do *anything* in R. But we will also want to install **RStudio** which provides a nice way of using the command line, simplifying graphs, saving commands, and so on. See the instructions for **RStudio** to install it.

*(Chromebooks users: see bottom of this document for a few hints).*

- 1) First thing to do is go to the R web site at <http://www.r-project.org/>
- 2) Look near the top to (under “Getting started”) and click on the link to “download R”
- 3) Scroll down until you see USA, and pick any location not too far from where we are.
- 4) Pick the link for your operating system: Linux/Mac OS/Windows.
- 5) **Windows:** pick the “base” package, and then pick “Download R-4.4.1 for Windows” (or whatever the latest version is).

**Mac OS:** pick either of the first two packages based on which chipset you have.

**Linux:** you probably know what to do at this point - pick the folder for your distribution and follow the appropriate instructions.

There are too many different Linux versions for me to provide detailed instructions at this point (if you're using standard Mint, Ubuntu should work). All the information you need should be on the appropriate web pages. If you get stuck, get back to me.

After you've installed R, skip down to step 9.

- 6) Save the file somewhere where you can find it.
- 7) Locate the file, and double click on it to install (I believe this works the same in Windows and Mac OS (let me know if I'm wrong about Mac OS)).
- 8) You can just click on all the defaults as the various installation windows pop up. It'll install quite normally

R is open source, so no need to worry about the license - it's totally free, but go ahead and read through it all if you want.

- 9) Now start R:

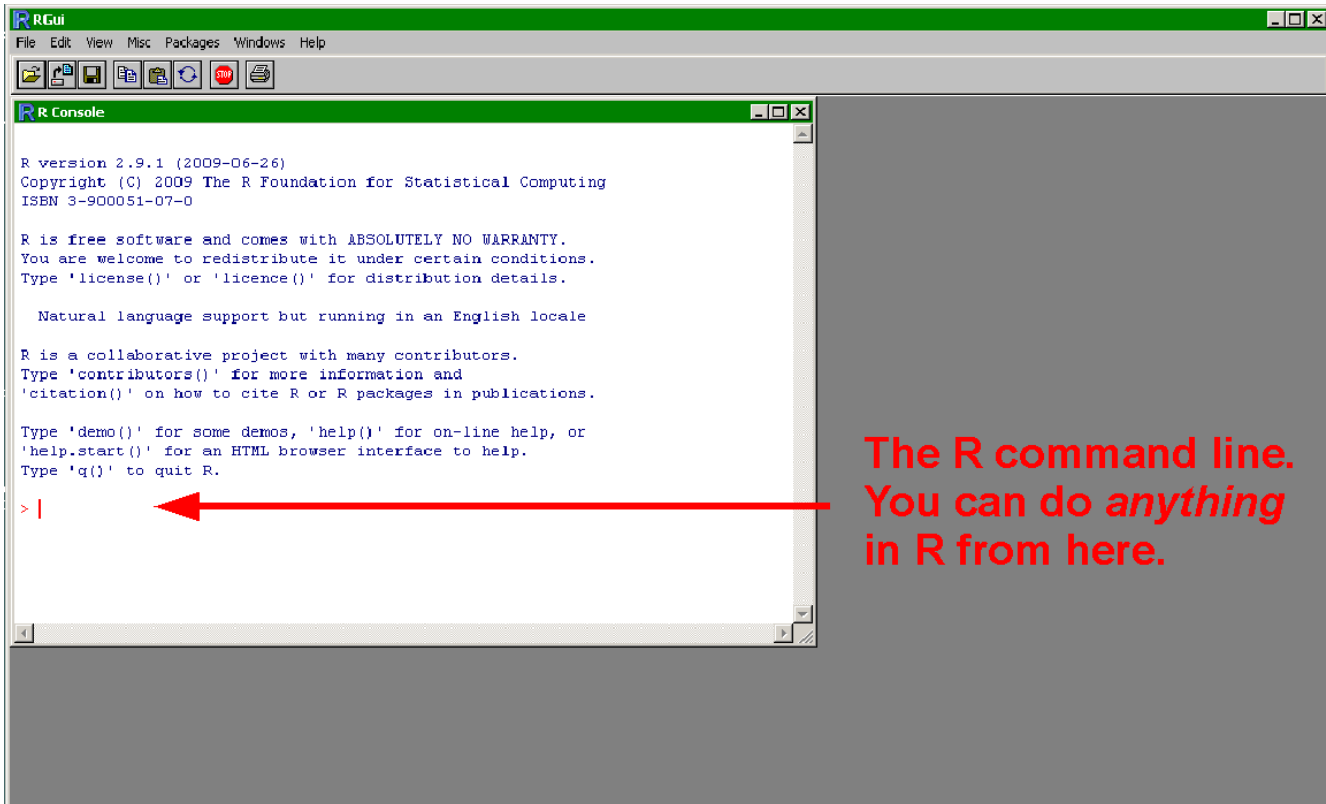
**Windows:** you should see a desktop icon for R (if you went with the default installation). Just double click on this.

(If you see an icon for both R and R64, use R64).

**Mac OS:** see the instructions for Windows above.

**Linux:** open a terminal window and type “R”.

**10)** You should see the following screen (Windows version illustrated below; Mac OS should look similar, Linux will only show a terminal interface (i.e., just a terminal window that looks a little like the “R-console” window below)):



**11)** The menus (in windows/Mac OS only) across the top are only for a few basic things like “help”. At this point, R is up and running.

**12)** Now go to the notes for installing **RStudio**.

### **Chromebooks:**

It is possible to install R and RStudio on a chromebook. But it will require some work on your part. I can not provide detailed instructions for this, but here are a few hints:

- 1) Enable the Linux Subsystem (instructions are on the web).
- 2) Install R. You will probably have to do this from the “command line” - look for instructions on the web.
- 3) Install RStudio. If you have an Intel chipset this shouldn't be too difficult (see RStudio instructions for hints). If you have an ARM chipset you will need to do some searching - there is a beta version of RStudio available that works on ARM chipsets, but you will need to find it and install it.