

Gnuplot

Gnuplot is "a portable command-line driven graphing utility for Linux, OS/2, MS Windows, OSX, VMS, and many other platforms". It is required for proper functioning of many of our Python tools such as the popular `tmplot.py` and should be installed prior to installing our Python tools.

Installing Gnuplot from source

1. Download the latest Gnuplot source from <http://sourceforge.net/projects/gnuplot/files/>.
2. For legal reasons, Apple does not ship with the Gnu Readline library which is required for proper functioning of Gnuplot. Version 6.3 of Gnu Readline can be downloaded from [here](http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html). You may visit <http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html> to check to see if a newer version is available since this wiki may be outdated.
3. Once Gnu Readline is downloaded, untar the download with `tar xzvf filename`. For example, if the filename is `readline-master.tar.gz` then the full command would be `tar xzvf readline-master.tar.gz`.
4. Complete the previous step for the Gnuplot source download, making sure to use the correct filename.
5. Now `cd` to the new Gnu Readline folder (using the example, the folder would most likely be `readline-master`), and execute `./configure --prefix=/usr`, then `make everything`, then `sudo make install`. At this point Gnu Readline should be fully installed. We can now install Gnuplot.
6. `cd` into the Gnuplot source folder. Execute `./configure`, then `make`, and then `sudo make install`. At this point Gnuplot should be fully installed and you are now ready to use our Python plotting tools.

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