Lab B: Installation Instructions

You can download julia here: julialang.org/downloads/. This webpage also has installation instructions.

Once you have installed julia, you need to start julia (in a terminal usually, or a terminal opens on Windows). Then press "]" to get to the package manager. The command "help" gives you a list of available commands. For the course we need to add two packages:

- add IJulia

- add Plots

It will install the packages.

Once this is done, press backspace, it changes back to green "julia". Then type "using IJulia" (there will be some output...). Then type "notebook(), julia will ask if you want to "install Jupyter via Conda, y/n? If you dont already have Jupyter installed you can type y and hit enter. This will automatically install Jupyter and after a short while a new tab in your *standard browser* will open. Firefox, Chrome or Safari should work. From that tab you can navigate to wherever you have downloaded our notebooks and open the notebooks.

In the notebooks, you will see some options, and it is fairly similar to Mathematica. There are Code cells that you can run by pressing "shift + enter". Or you look at the top bar and look under "cells" → "run all". Then the whole notebook runs from the beginning.

Finally, you may want to run the plot command at least once before we have our first lab. The command takes a little time to finish compiling and it will be nice for you to avoid this delay on our first day. The Lab 0 notebook will take you through this and some examples.