

15.774/15.780, Fall 2021

Julia & iPython Notebook Instructions

October 8, 2021

Most users of Julia (including us) like to use iPython notebooks to write and execute Julia code. Julia code from recitation and lecture for this class will come packaged in `.ipynb` notebooks, which you can run with iPython. This guide will help you install it, and we will see how it works in Recitation 5.

1. If you haven't already, install Julia per the instructions we posted at the beginning of the semester.
2. Open Julia (version 1.0.5). This should open a command-line like window with a green `julia>` prompt.
3. Type the `]` (close square bracket character) into the prompt to open the package manager. This should change the prompt to a purple `(v1.0) pkg>`.
4. Type `add IJulia` and hit Enter to install the package. Then type `build IJulia` and hit Enter to build the package.
5. Hit backspace until you exit the package manager (the prompt should return to the green `julia>`).

If there were no errors, you now have IPython and the julia add-on installed! Whenever you want to open a `.ipynb` notebook, you should open Julia and:

1. (optional) Set the working directory where you want the file browser to open up (e.g. where you saved the notebook) by running:

```
cd("Path/To/Directory")
```

2. Run the commands:

```
using IJulia
notebook()
```

3. This should open a browser window (e.g. Chrome). You can click to open any `.ipynb` files. The rest will be discussed in Recitation 5.