

Installation Instructions

December 27, 2015

1 Install Julia

Download julia-0.4.2 from the website julialang.org. Run the executable.

Open up a julia terminal. Install several packages using the following code:

```
Pkg.add("JuMP")  
Pkg.add("DataFrames")  
Pkg.add("Gadfly")  
Pkg.add("Cairo")
```

Make sure the following code works:

```
using JuMP  
using DataFrames  
using Gadfly  
using Cairo
```

2 Install Sublime Text 3

Download Sublime Text 3 from the website sublimetext.org. Run the executable.

Install the sublime-julia package.

3 Set your Julia working directory

Create a new folder on your desktop where you can save all of your julia programs. Name it something simple like "optimization". Open up a new file in Sublime Text 3. Add the

path to the working directory to this file, using the command: `cd("path_here")`. For example, it might be: `cd("C:/Users/colin/Documents/optimization")`. Windows users, use `//` instead of `/` in the path name.

Save this file as `“.juliarc.jl”` in the same folder as your `“.julia.history.jl”` file.

4 Command line tips

In the Julia terminal, use `;` to switch to shell commands. This allows you to navigate to different directories in the computer. `ls` lists the files in the current directory.

`cd` stands for “change directory”. `cd folder` opens up *folder* in the present directory, and `cd ..` goes up one level.

Test out these commands. Open up the Julia terminal, and type in `;`, then `ls`. The files in your current folder, “optimization”, should pop up. Pop out of the folder by typing in `;`, then `cd ...`. Type in `;`, then `ls` to see all of the folders in that directory. Return to the directory by typing in `;`, then `cd optimization`.

To run a julia file, use the command `include(“filename.jl”)`. You can use this command as long as “filename.jl” is in the current directory.