Git, GitHub, and Jupyter Setup

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Step 1

We will need three packages, plus an optional one:

- JupyterLab
- JupyterLab-git
- git
- ipykernel

Package installs

- Open up a terminal

  - **MacOS**: Spyder IPython console or Mac terminal
  - **Windows**: Anaconda Prompt or Windows terminal
- Make sure your `susc` environment is active!

```
conda activate susc
```

- Install other packages

  - `conda install -c defaults jupyterlab`
  - `conda install -c conda-forge jupyterlab-git git ipykernel`
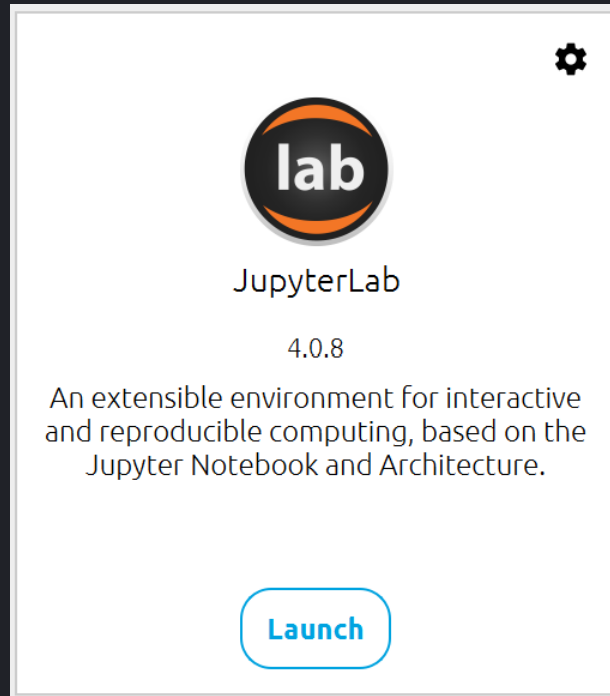
Make our `susc` environment a kernel*

In the same terminal you did your conda installs, run the following code:

```
python -m ipykernel install --user --name=susc
```

*: Don't worry about what this means yet.

Let's make sure it works.

- On your Anaconda Navigator, after refreshing, check to see that have a JupyterLab tile.

Help! I can't find JupyterLab!

Did you:

- install to the `susc` environment?
- look in the `susc` environment on Anaconda navigator?
- use `-c defaults` when installing JupyterLab?

If you checked all of these, you can try launching jupyter lab from your terminal by typing `jupyter lab`

Step 2

It's time for you to create a GitHub account if you don't already have one!

Follow the directions here.

Remember which email you use to sign up :)

Troubleshooting

Step 3 for Windows Users

Windows users (myself included) can face some annoying hiccups. I recommend downloading Git to your Windows machine as a separate installation from Anaconda.

What to do if you can't get something to work:

- Google your problem!
  - I promise you are never the first to have a problem in 99.9% of programming cases (or life!)
- Check out source docs for jupyterlab-git
- Email me at tyler.janoski@columbia.edu