Tools

Goals

- Download the appropriate tools
- Basic understanding of the role of each tool

Goals

- Overview of Anaconda, JupyterLab, & GitHub
- Example workflow that combines all three
- (Time permitting) Get you all 100% set up

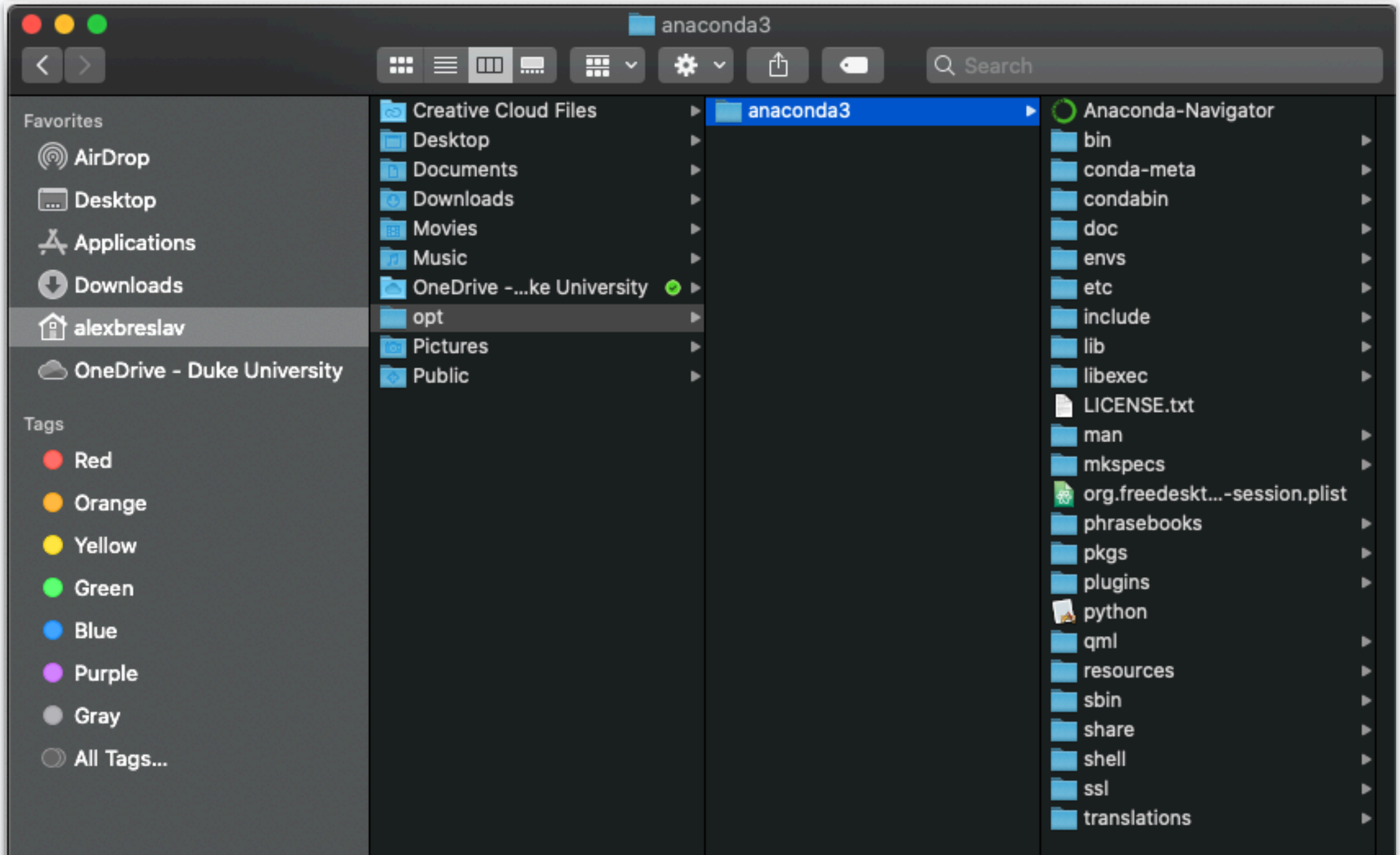
Everything Downloaded?

Anaconda

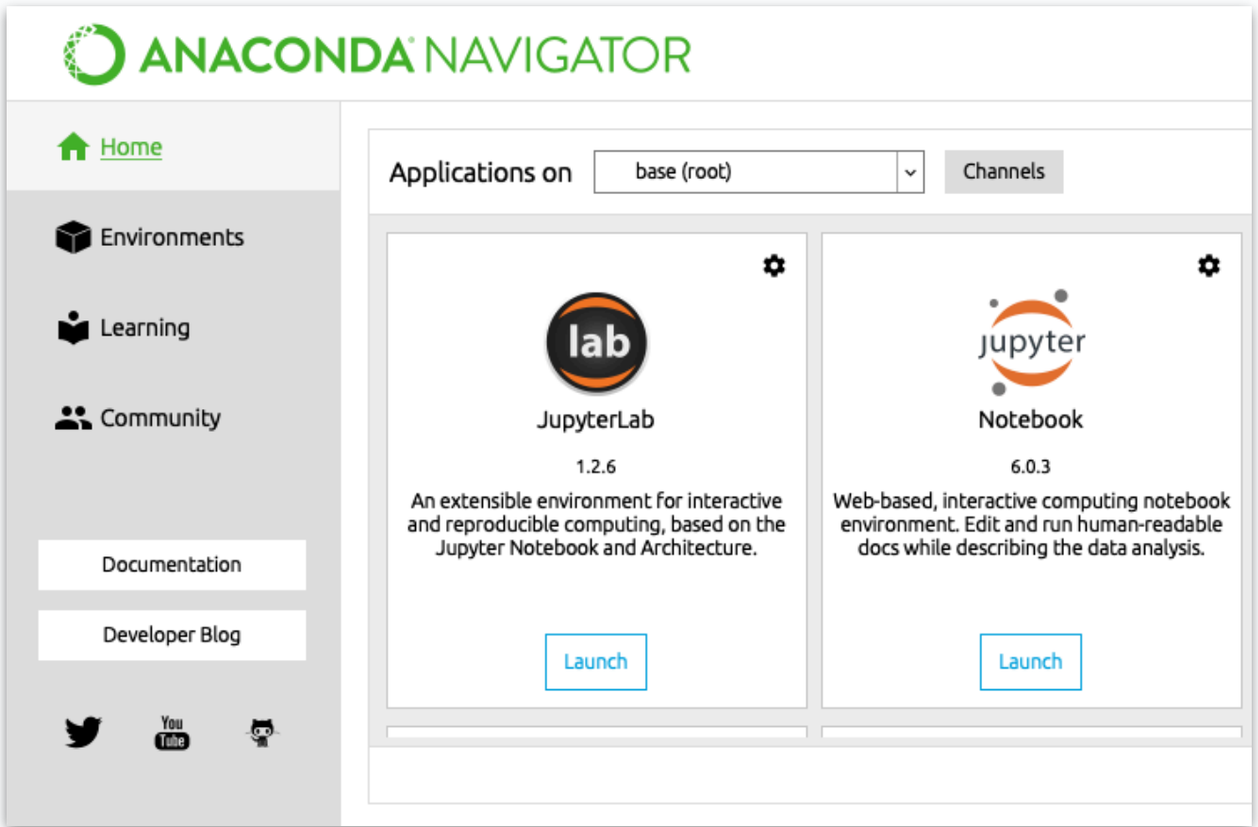
Create a home for coding on your computer

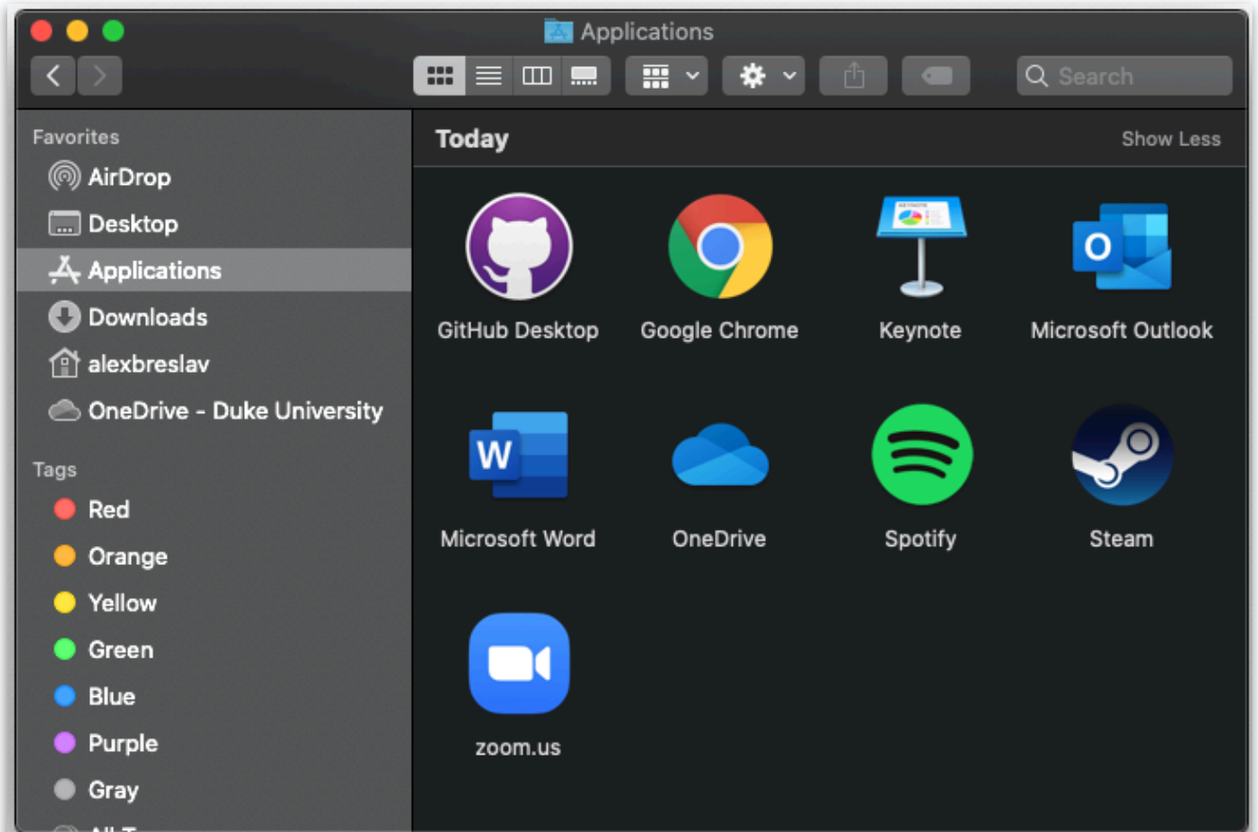
Anaconda lives here!

When you download packages or create environments, they live here too.

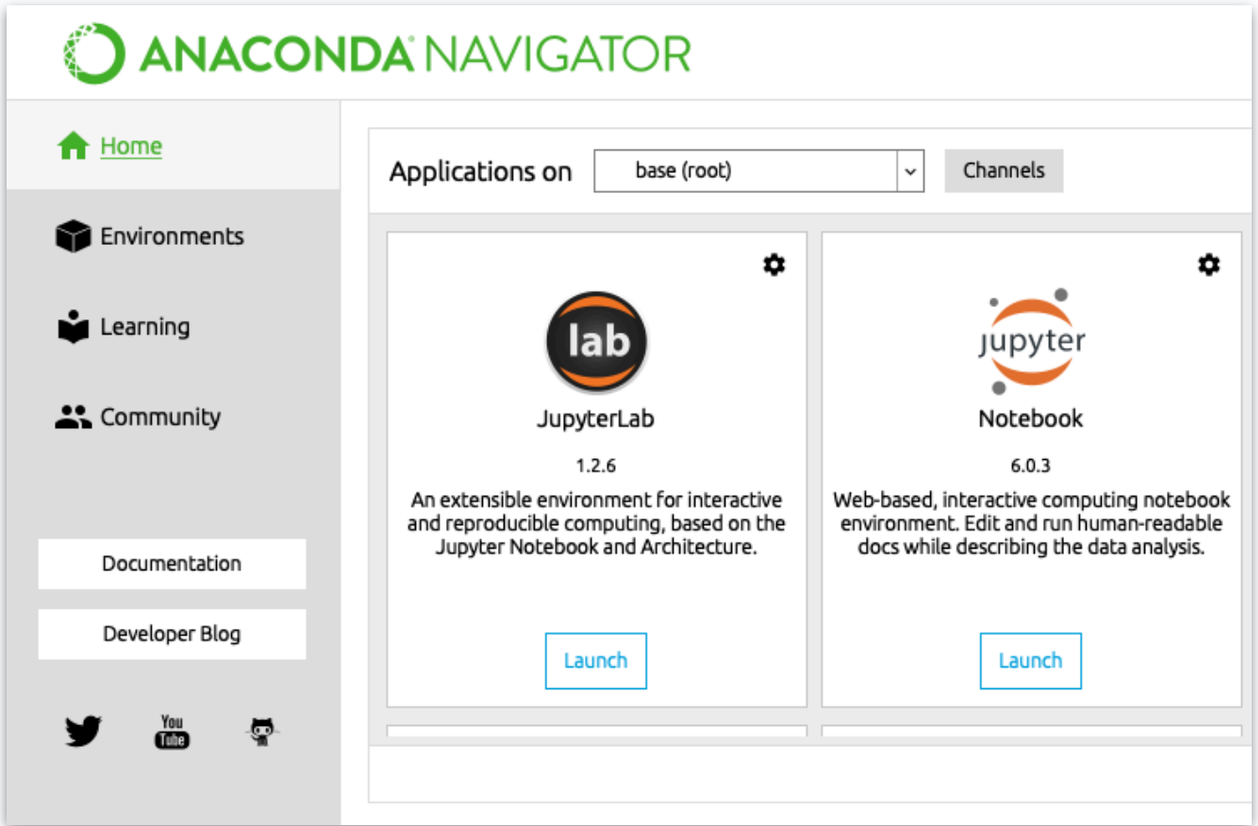


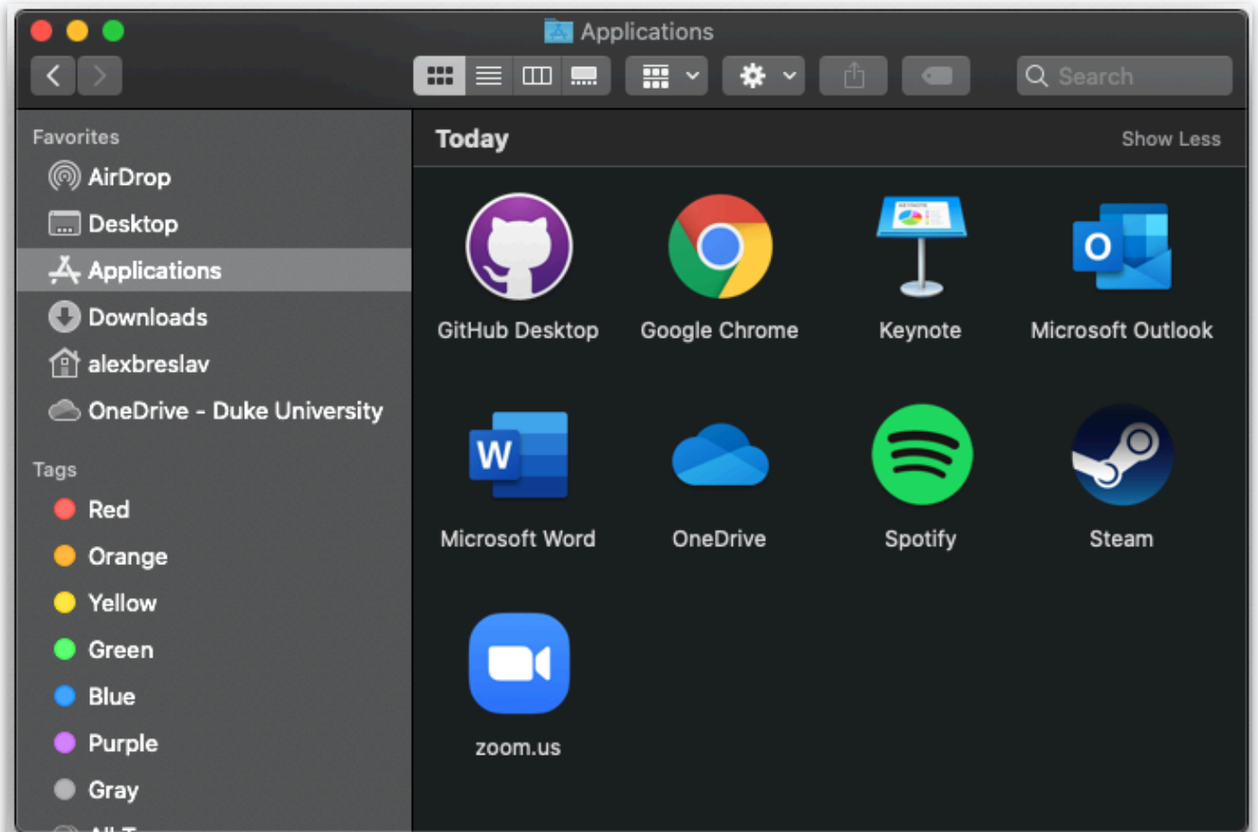
Opening Anaconda Navigator is like opening the Applications tab on your finder





To start coding, open JupyterLab from our Anaconda Navigator





JupyterLab

Interact with data using code

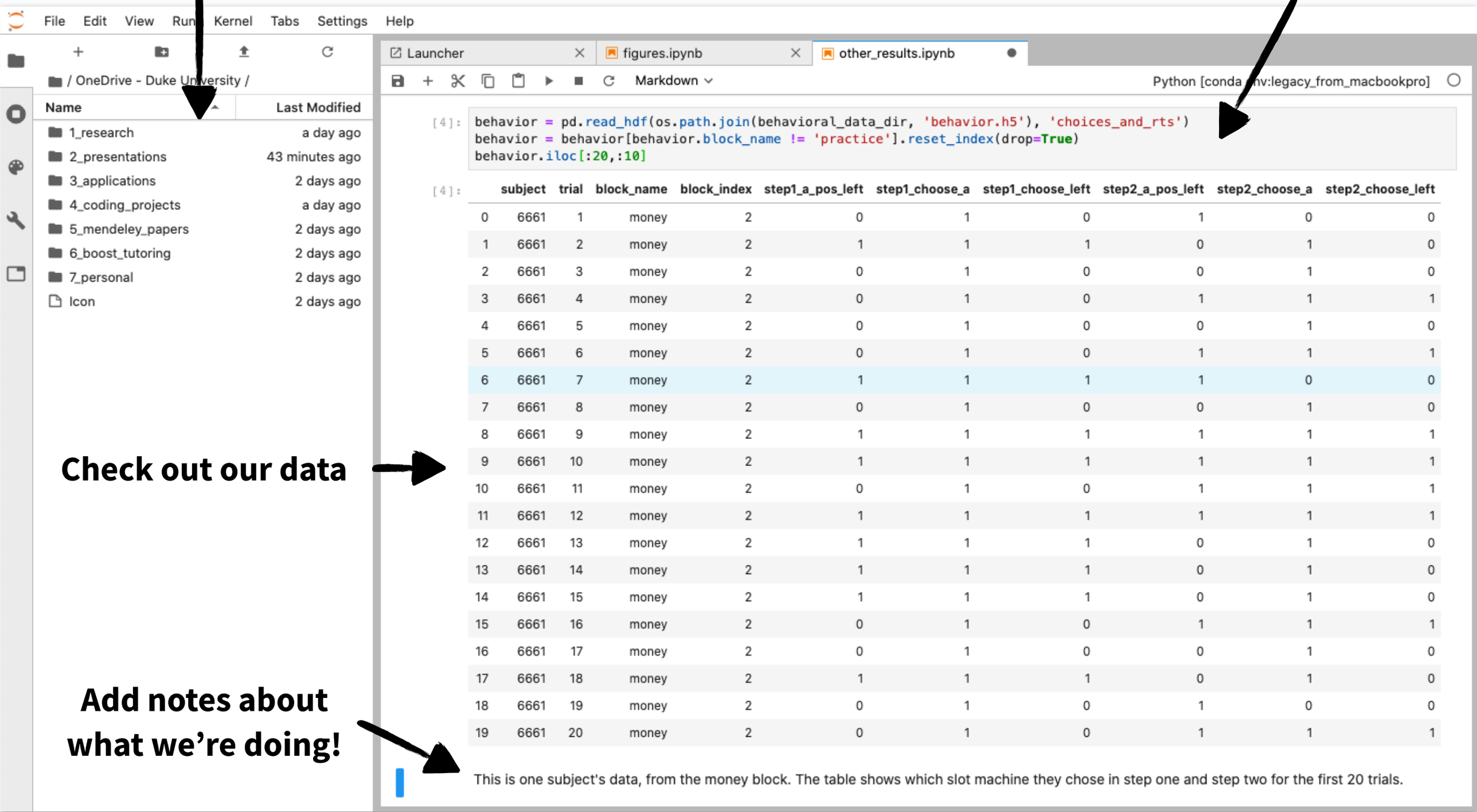
JupyterLab is like Excel:
It is an application where we can interact with our data.

JupyterLab and Excel are different:

- In Excel, we make changes to our data by hand.
- In JupyterLab, we are writing Python code so that a computer makes changes to the data for us.

Navigate through our files

Write code



Check out our data

Add notes about what we're doing!

GitHub

Store your code in the cloud

Keep track of versions

Code as a team

Google Calendar - V | Inbox - alexdsbresla | keynote add fonts - | JupyterLab | THRIVING-Team

github.com/THRIVING-Team

GitHub Gmail Calendar Drive Photos Maps Weather Amazon Sakai Box Qualtrics LinkedIn

Search or jump to... / Pull requests Issues Marketplace Explore

THRIVING-Team

Repositories 3 | Packages | People 5 | Teams | Projects | Settings

Find a repository... Type: All Customize pins New

clean

raw data is messy; let's clean it up so that we (and others) can analyze it

0 0 0 0 Updated 14 days ago

describe

let's describe the data so that we can get a basic understanding of what's what

0 0 0 0 Updated 14 days ago

visualize

data are best summarized as images; let's visualize the data so that others can easily grasp the gist of the data

0 0 0 0 Updated 14 days ago

People 5 >

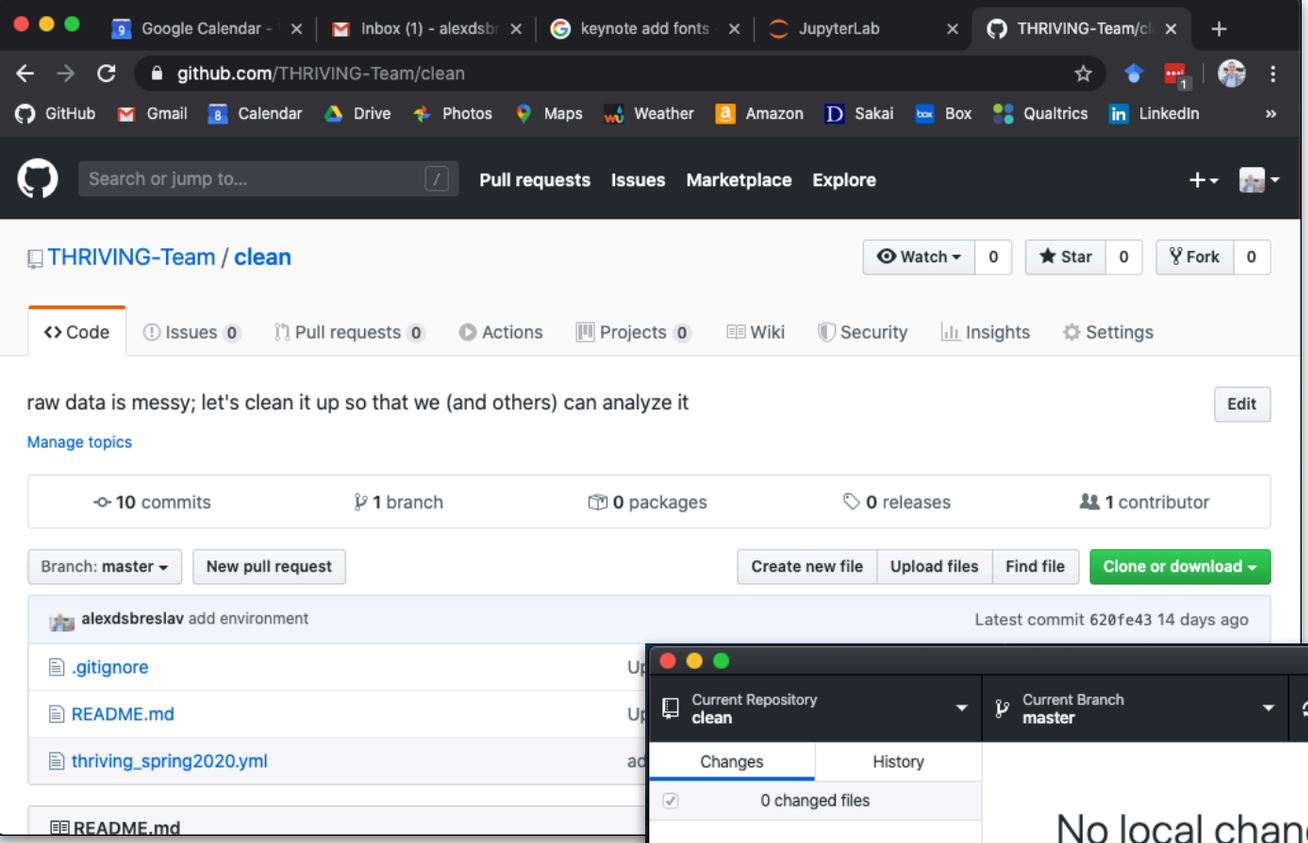
Invite your teammates...

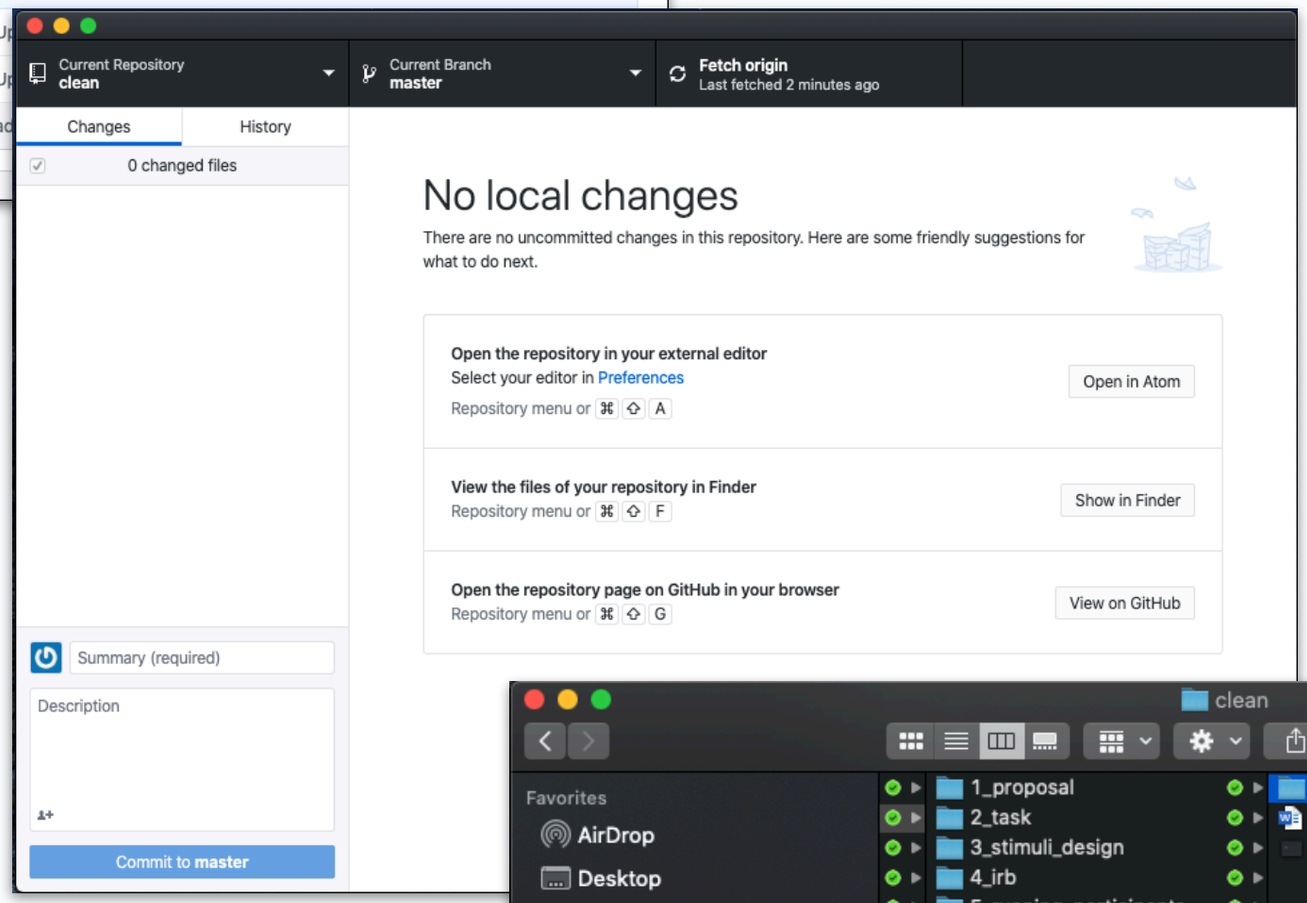
Invite

GitHub Desktop

Sync the GitHub cloud to your computer

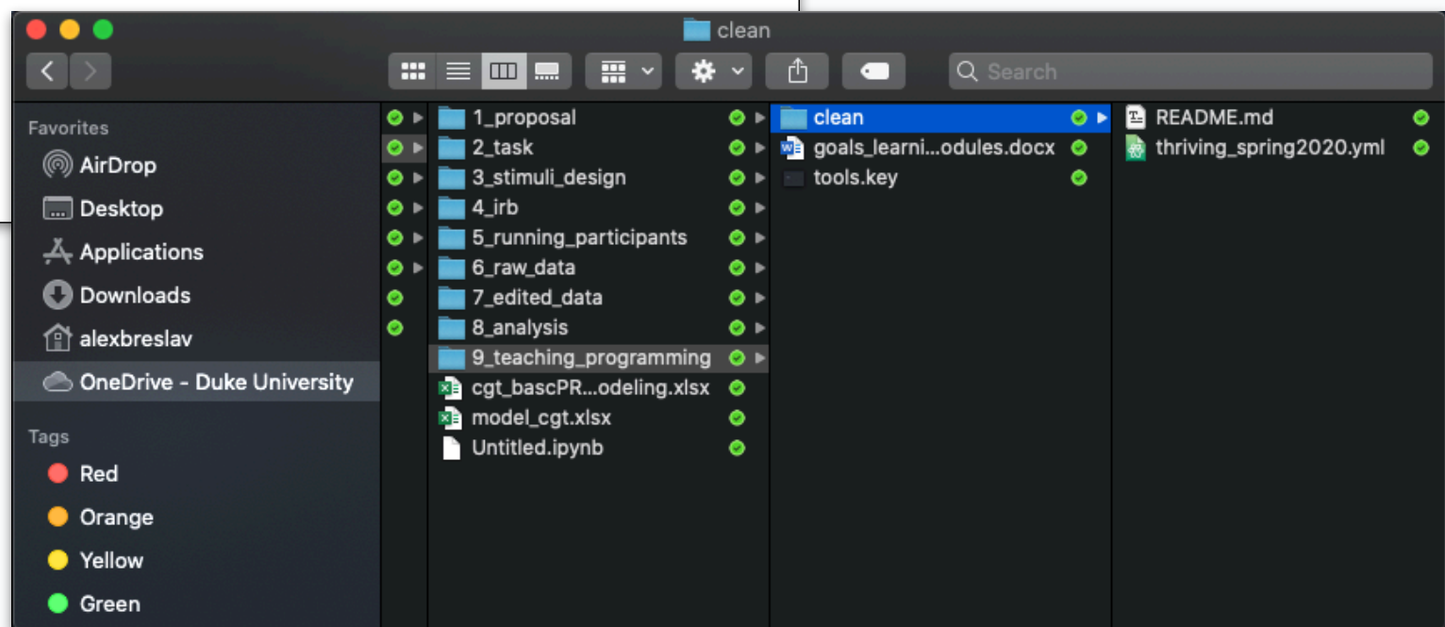
GitHub (Cloud)





GitHub Desktop
(Compare cloud to your local drive)

Your Local Drive



Workflow

- Open Anaconda
- Open JupyterLab
- Go to the repo I am working on
- Code some stuff!
- Save the changes to my computer
- Push the changes to the cloud

Get 100% Set Up

- Open Anaconda
- Launch JupterLab (fix any bugs)
- Get JupterLab set up to handle multiple environments
- Tell JupyterLab you have multiple coding environments in Anaconda
- Set up the coding environment we will use for our analyses