

MSAS Tutorial Sequence -Module One-

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**WELCOME
TO
MSAS**



What is MSAS?

- Designed to introduce you to the world of sports analytics
- Give you the opportunity to learn and apply essential skills
- Network with other students that have similar interests as you
- Work with experienced leaders and faculty members
- Get hands-on experience with real data
- Talk sports!

What is the point of these tutorials?

1. Get you set up with a familiar environment
2. Provide you with a foundation that you may not learn in the classroom
3. Teach you what you need to know in order to get started on a research project

Who am I?


Goals of Today

1. Install Anaconda (Mandatory)
2. General Questions
3. Set up GitHub Account (Optional)
4. Set Up Your Command Line

Installing Anaconda

- <https://www.anaconda.com/distribution/#download-section>
- Select your OS
- Select the 64-bit graphical installer for Python 3.7
 - If you already have the 2.7 version installed, you can keep it installed, but be wary that this tutorial sequence is designed for the 3.7 version
- The rest of the guide will be based off of my experiences with a PC (Windows). If you have any issues, please let me know, but it should roughly be the same process

Anaconda3 2019.07 (64-bit) Setup

 **ANACONDA**

Select Installation Type
Please select the type of installation you would like to perform for Anaconda3 2019.07 (64-bit).


Install for:

☒ Just Me (recommended)

☐ All Users (requires admin privileges)

Anaconda, Inc. _____

Anaconda3 2019.07 (64-bit) Setup

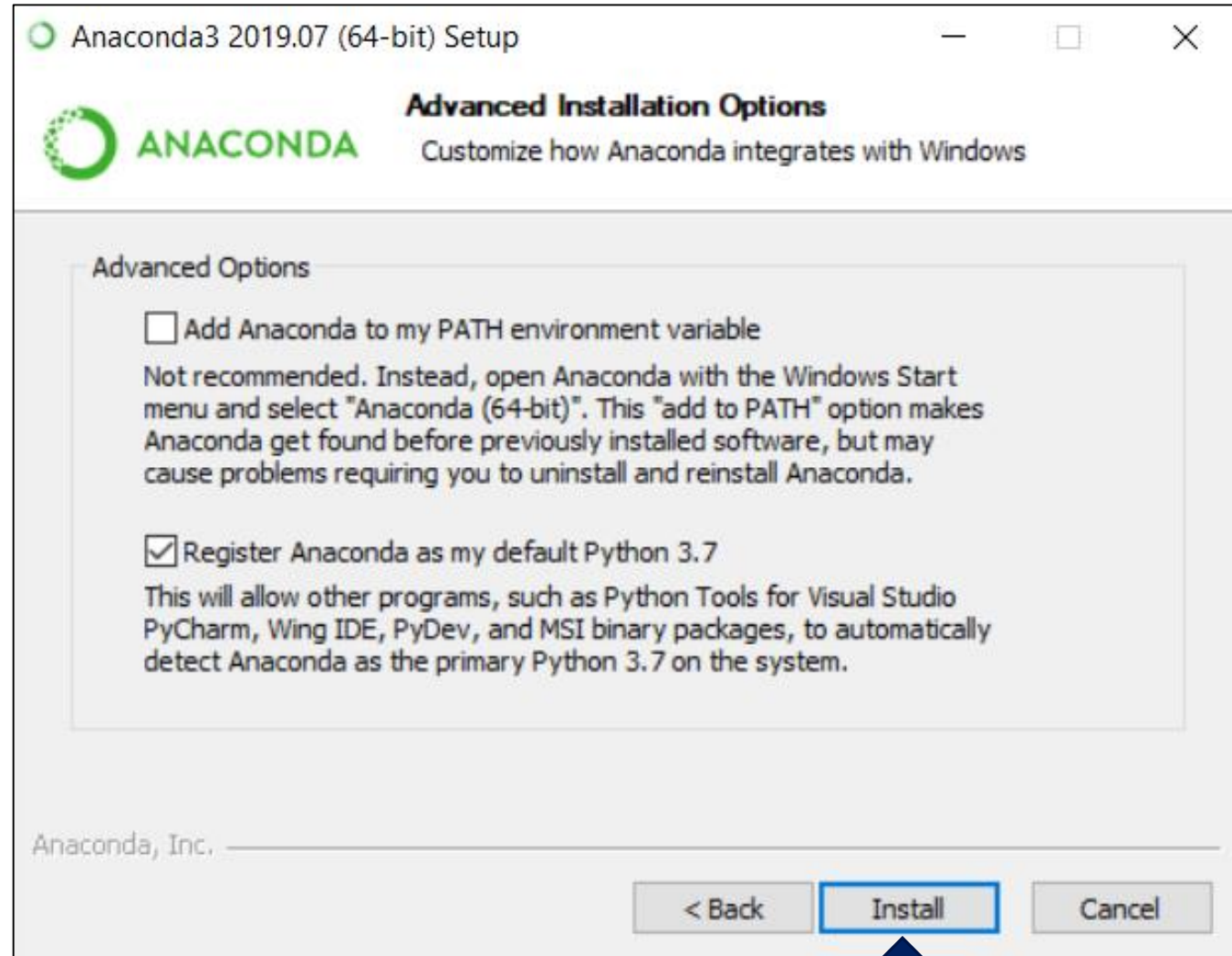
 **ANACONDA** **Choose Install Location**
Choose the folder in which to install Anaconda3 2019.07 (64-bit).

Setup will install Anaconda3 2019.07 (64-bit) in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue.

Destination Folder

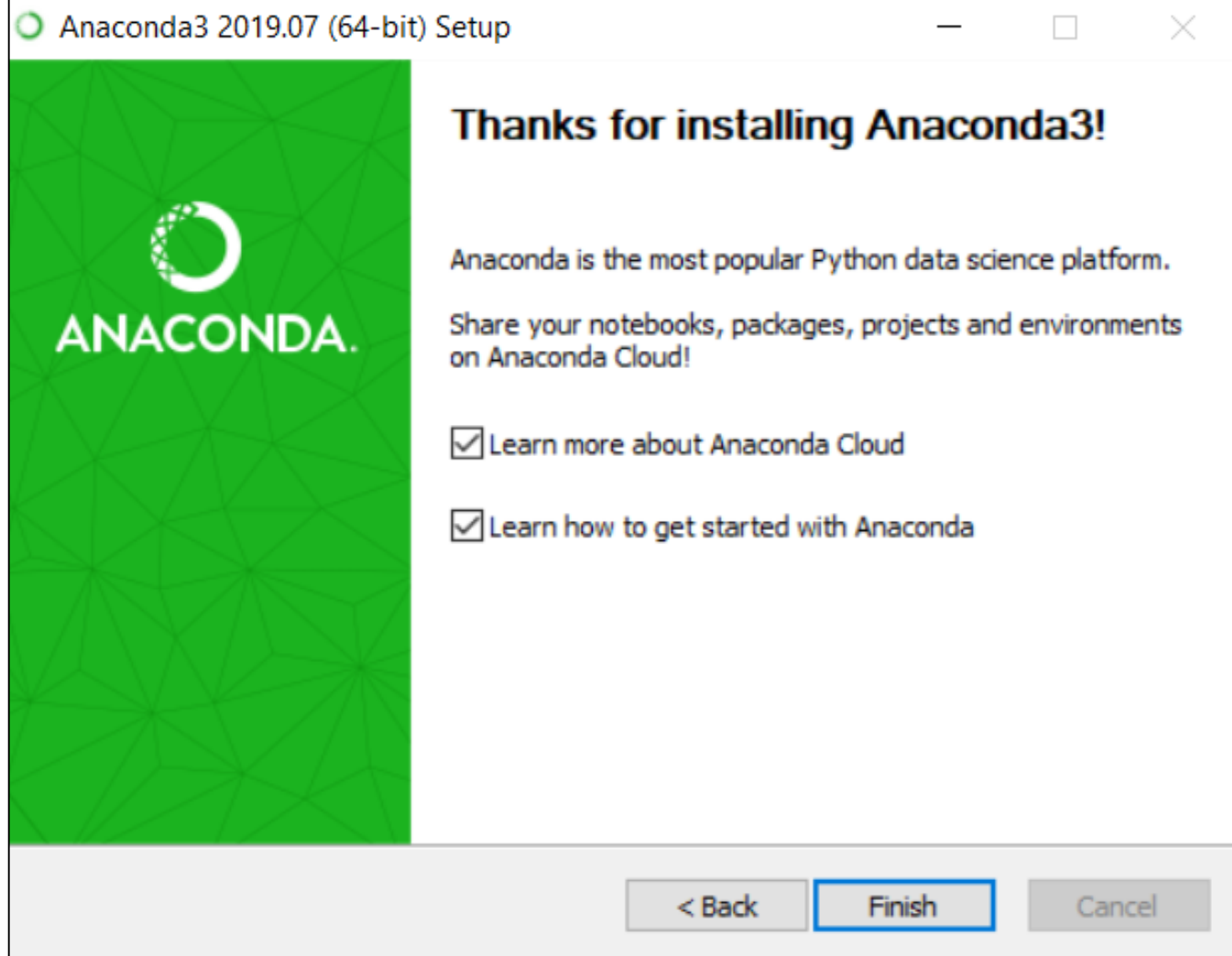
Space required: 2.9GB
Space available: 79.2GB

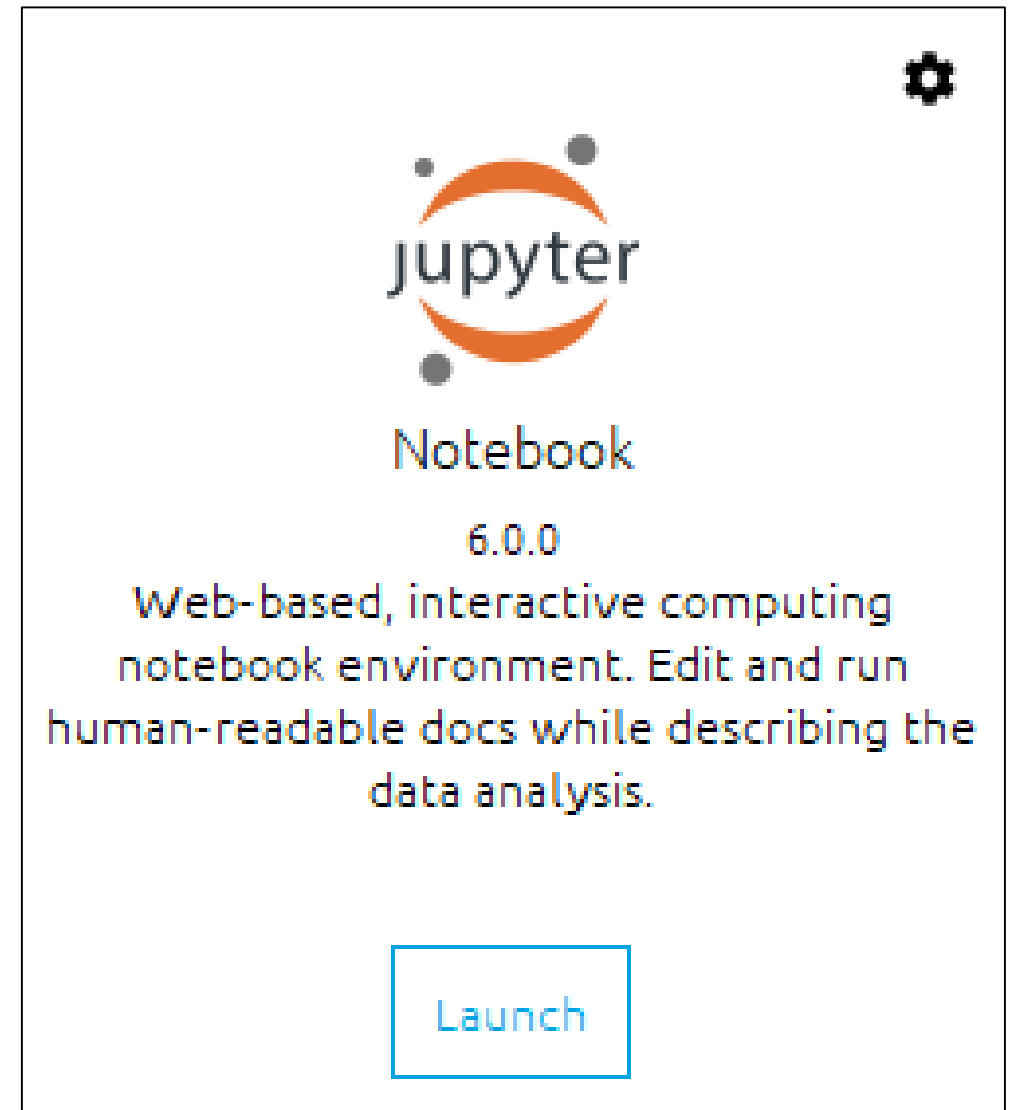
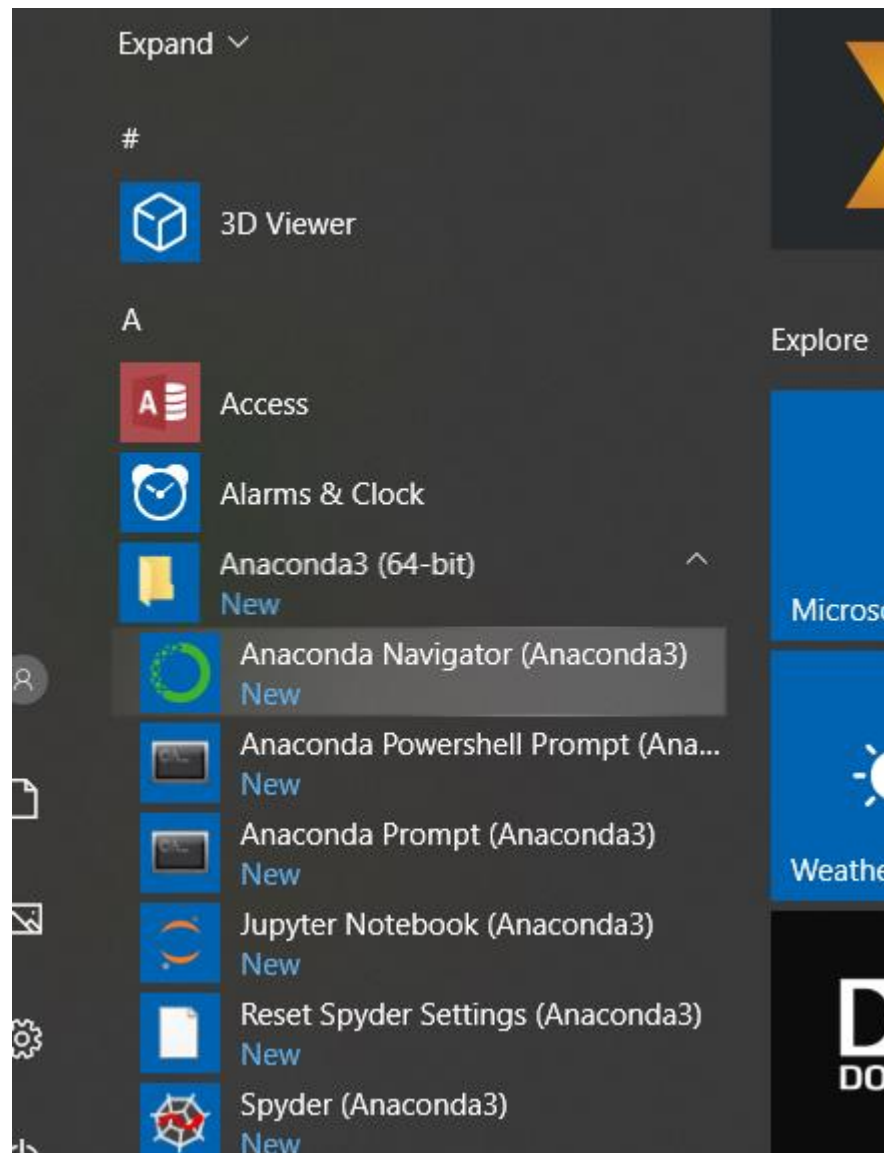
Anaconda, Inc.




Now we wait...

Questions about the club?





 jupyter

Quit

Logout

FilesRunningClusters

Select items to perform actions on them.

0

/

Name

Python 3

3 days ago

Desktop

Anaconda3

OneDrive

Downloads

Links

Upload

New

Notebook:

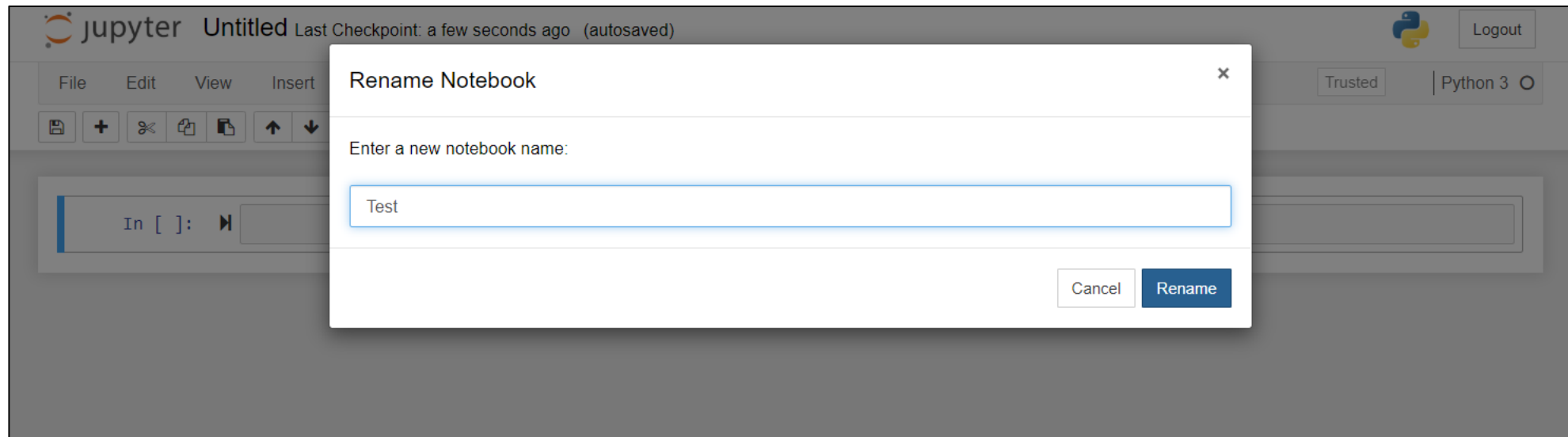
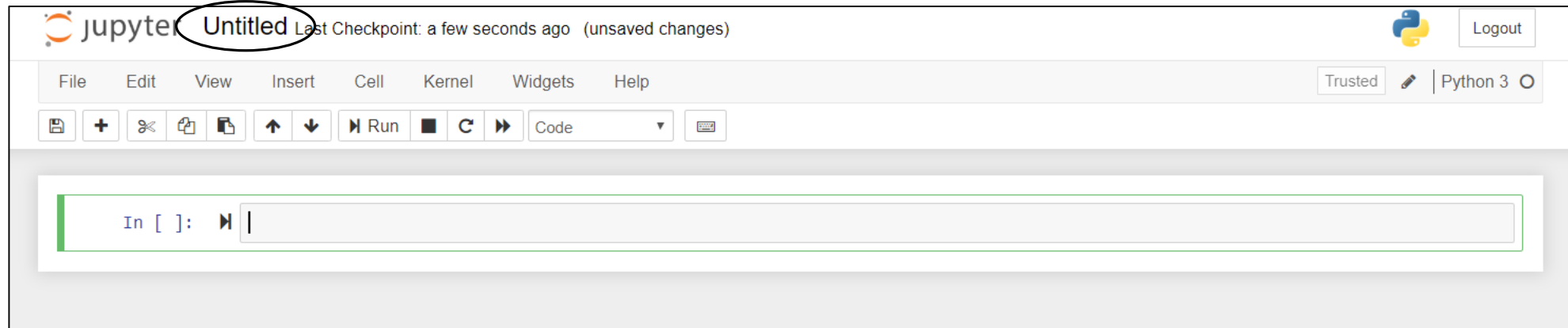
Python 3

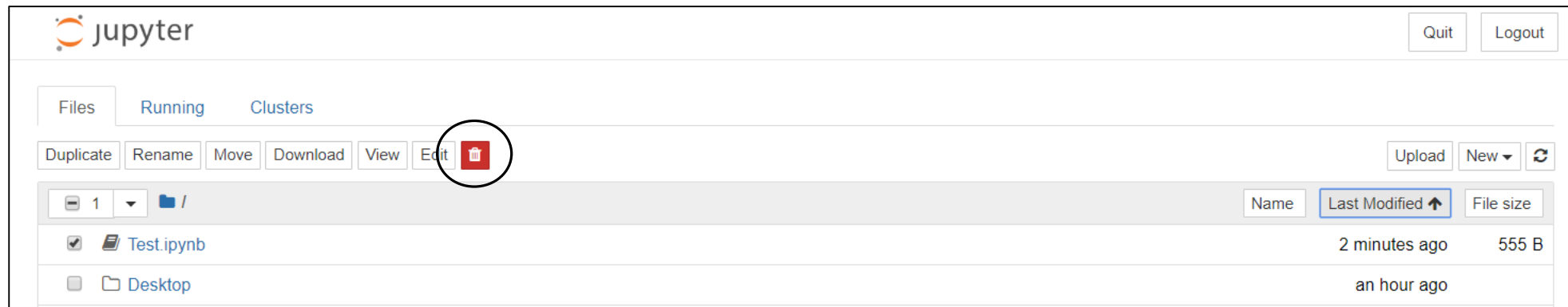
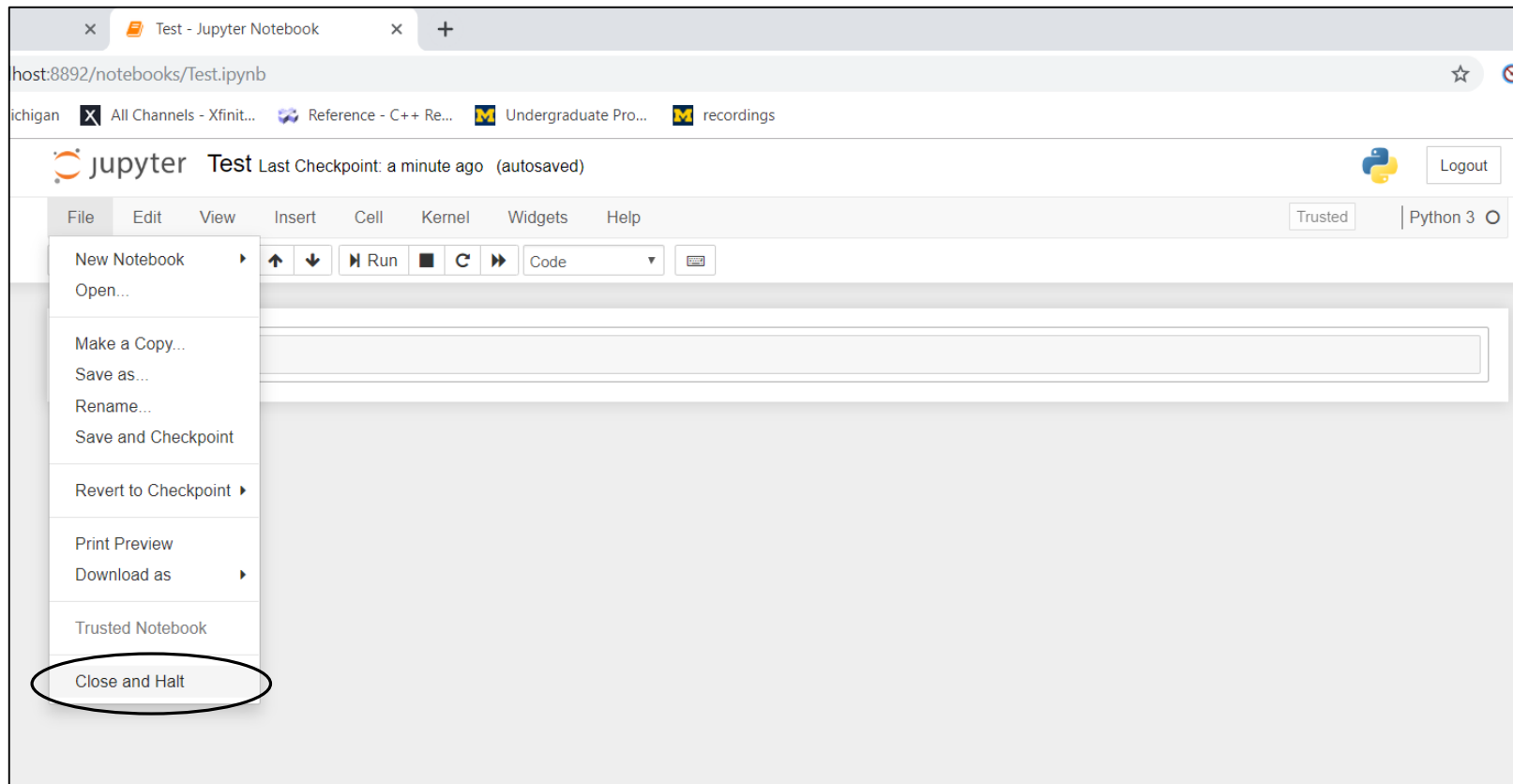
Other:

Text File

Folder

Terminal





More on Jupyter
Notebooks Next Week...



Why You Should Set Up a GitHub Account

- GitHub is a free code-sharing platform that allows for multiple collaborators and version control using Git
- GitHub is a great way to showcase work that you've already done and will do in the future
- Everyone who codes should know how Git works – you'll probably use it (or something similar) some day
- Great skill to have on your resume
- It's fast and easy to set up
- They have a cool logo (Octocat)

Setting Up Your Account

- Sign up at <https://github.com/>
- I would advise against using your school email
 - You can change the account email at any time
- Select the “Free” tier membership

Setting Up Your Command Line (Mac)

1. Install Brew (skip to step 4 if this is already done)

```
/usr/bin/ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"
```

2. Hit Return (or escape to cancel)

3. Enter your system password

4. Install git

```
brew install git
```

```
git config --global user.name "First Last"
```

```
git config --global user.email "your email"
```

Setting Up Your Command Line (Windows)

EECS 183 has you covered! Follow the guidelines you see on this walkthrough:

https://eecs183.org/docs/git_on_windows/

Configure your environment:

```
git config --global user.name "First Last"
```

```
git config --global user.email "your email"
```

Congrats on Finishing
Your First Module!
