# Setup Instructions

This document will walk you through the setup for the Computing for Research and Introduction to Programming courses.

## Google Colab and Drive:

1. Sign into Google Drive with the email address that you used to fill out the form confirming your spot in this course. This is the email address to which you received a welcome email the weekend before the course. For most of you, this is your UChicago account. If you do not have a UChicago account, it shouldn’t be a big deal, just be aware of your memory limitation in Google Drive.
2. Look in your Shared Drives folder. Make sure you have access to the shared drive for this course.
3. Navigate back to My Drive. Create a new folder in your My Drive folder titled my\_bootcamp\_2020
4. For Day 1:
   1. Introduction to Programming: locate and open the Day2\_Data\_and\_Storage.ipynb file in the shared drive by going to ‘intro\_programming’ folder, then opening the ‘code’ folder. Click [**File → Save a copy in Drive]**.
   2. Computing for Research: locate and open the Day1\_orientation\_pandas.ipynb file in the shared drive by going to the ‘computing\_for\_research’ folder, then opening ‘code’ folder. Click [**File → Save a copy in Drive]**.
5. Next, go to your My Drive folder and into the Colab Notebooks folder. Find the copied notebook and move it into your my\_bootcamp\_2020 folder.
6. Finally, go into your my\_bootcamp\_2020 folder and open the newly copied notebook.
   1. We will do this each day.

## Python on your local machine:

* If you don’t have python on your local machine, install it using Anaconda3: <https://www.anaconda.com/products/individual>
* Click “download” and then click the link that makes sense for your operating system. You likely have a 64-bit machine and want to use the graphical installer unless you are very familiar with the command line and how your computer works
* You **do not** \*need\* this for Computing for Research, but you should probably have it for your general research purposes.
* You will need this for the last day of Introduction to Programming

## Git:

* If you use Windows, get yourself a console emulator like [cmder](https://cmder.net/) or [conemu](https://conemu.github.io/). Amanda uses cmder. Alternatively, you can do this all on RCC login nodes if you prefer. Another alternative is installing a windows subsystem for linux, which may sound like overkill now but is really beneficial in the long run.
* Following [these setup instructions](https://carpentries.github.io/workshop-template/#git), install everything you need on your local machine, or make sure you know how to login to Midway to have access to all these things. (Ignore the stuff about R - (R is a great language but we will just be using python)
* Make a github account here: <http://github.com/>
* Do this before the last two days of the course.