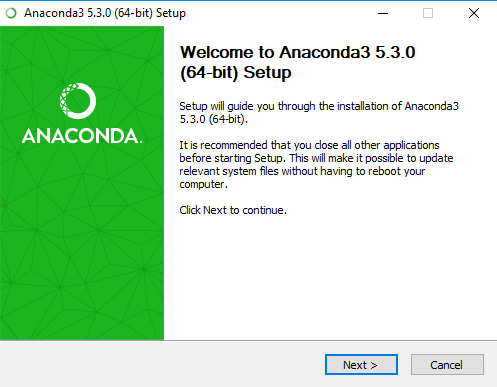
# Step 1: Download the Python Anaconda Distribution

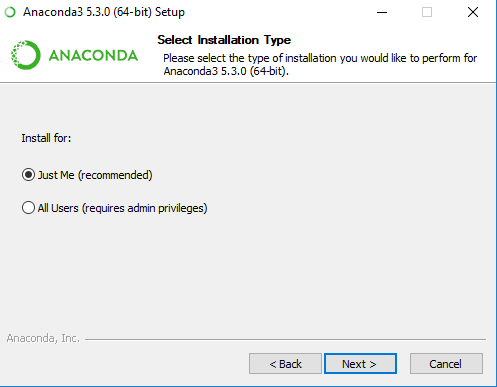
Navigate to <https://www.anaconda.com/download/>

Download the version for you operating system (windows, linux, mac). **Get python 3.7.x. (the x means whatever the latest edition on the site is)**

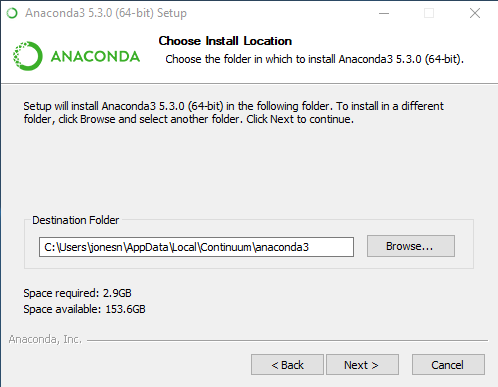
# Step 2: Install Anaconda



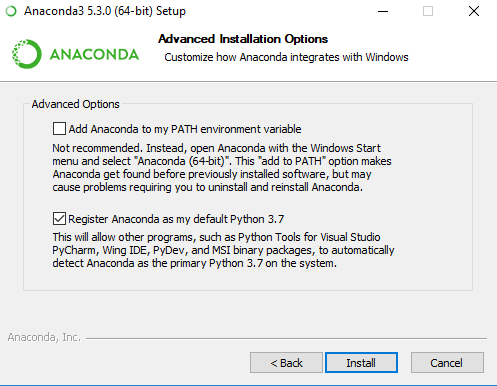
Setup prompt, your version may be different if the software has been updated since this screenshot.



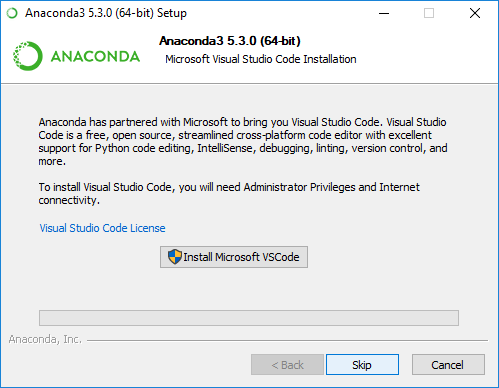
Make sure to install for just you if you don’t have admin access to your computer!



Verify that you have enough storage and use the default path for installation if possible.



Select these options as shown. After navigating from this screen, anaconda will attempt to install. This will likely take 10-15 minutes. In class, we may work on setting up GitHub accounts while anaconda installs.

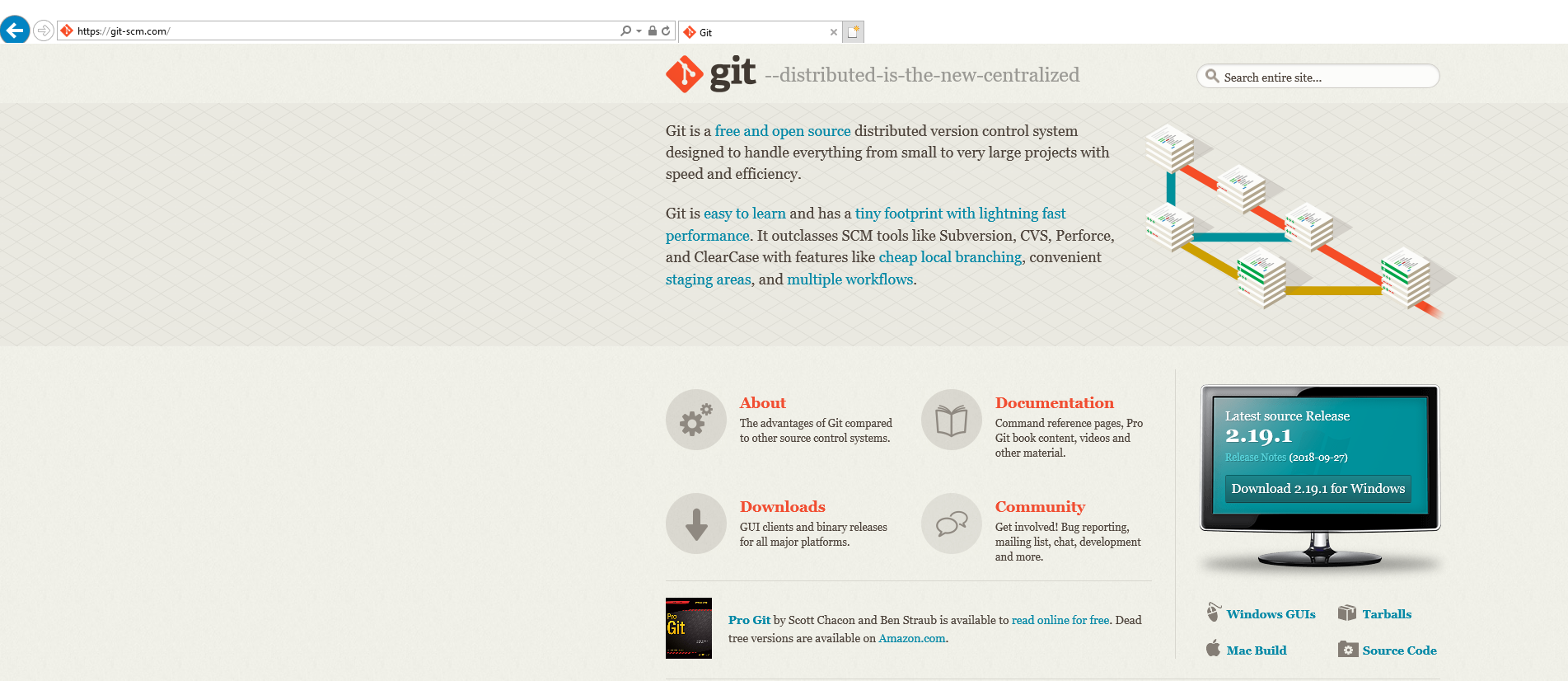


Installing VS code is optional and requires admin rights.

# Install git

Go to <https://git-scm.com/>

Download the latest version for your operating system



Install with everything default (there will be lots and lots of menus and options, just use the defaults for now)

# Create a github account

<https://github.com/>

Choose a username, type an email/password and click ‘sign up’

# Install Github Desktop

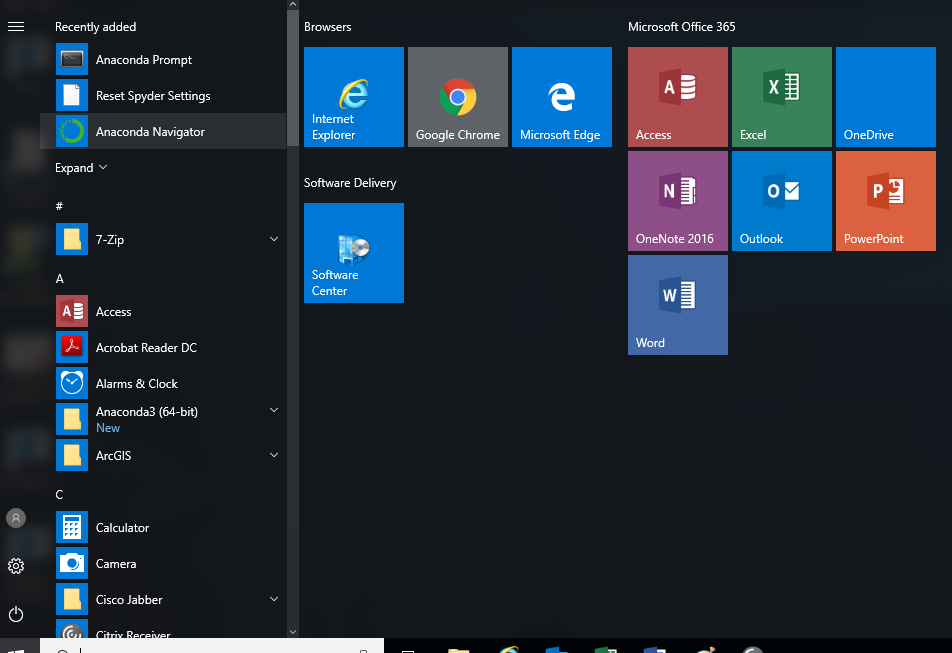
<https://desktop.github.com/>

Download and install github desktop

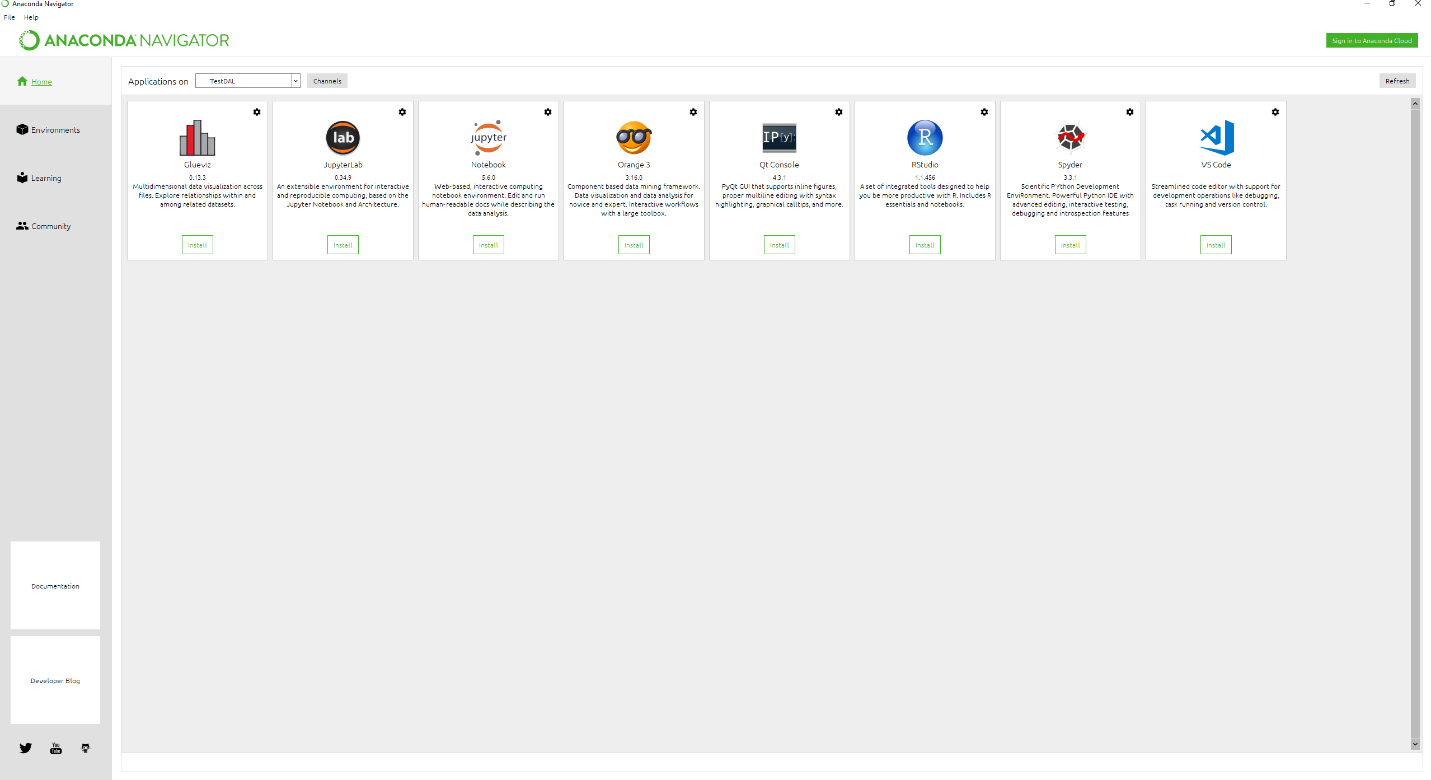
# ‘Fork’ the Class Materials and Pull Class Material Git onto your machine

# Exploring Anaconda Navigator and setting up your python environment

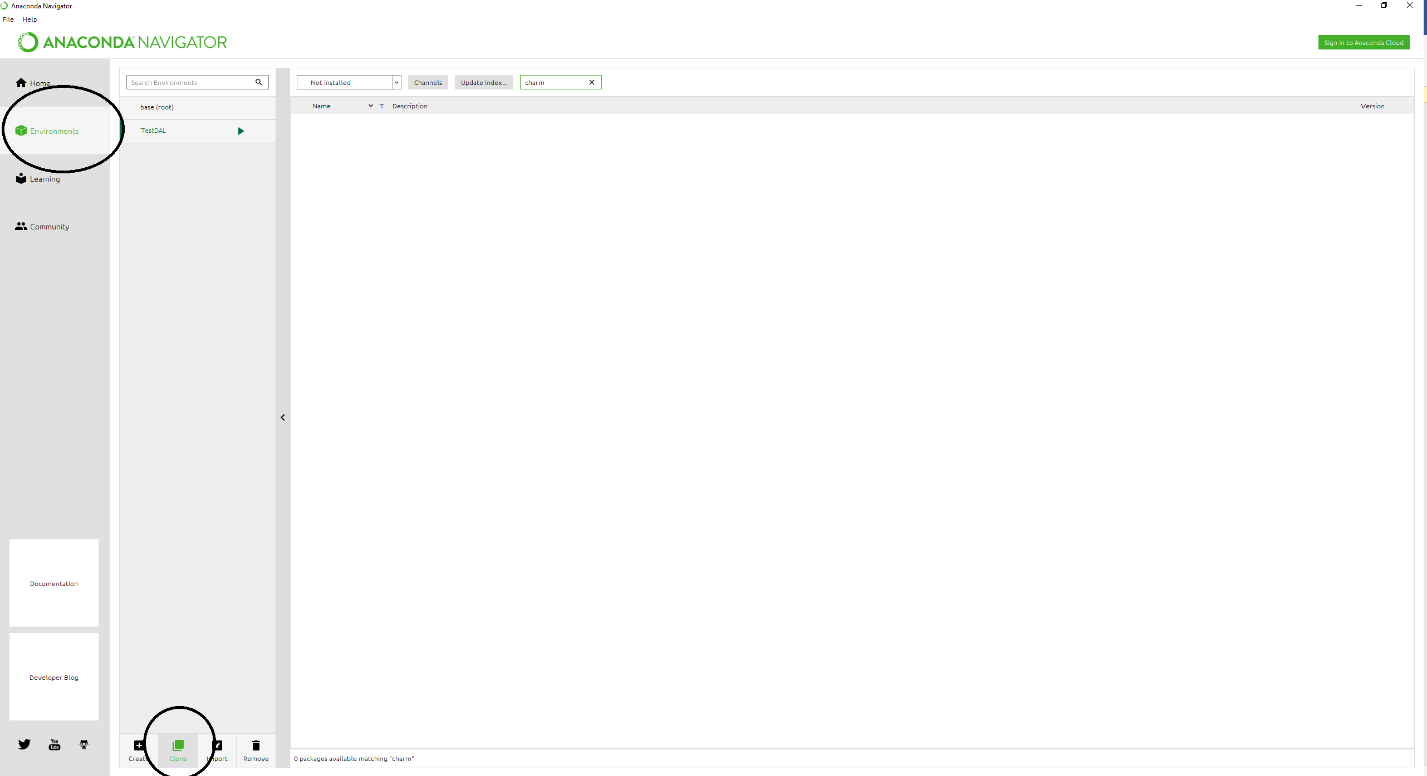
Open Anaconda Navigator



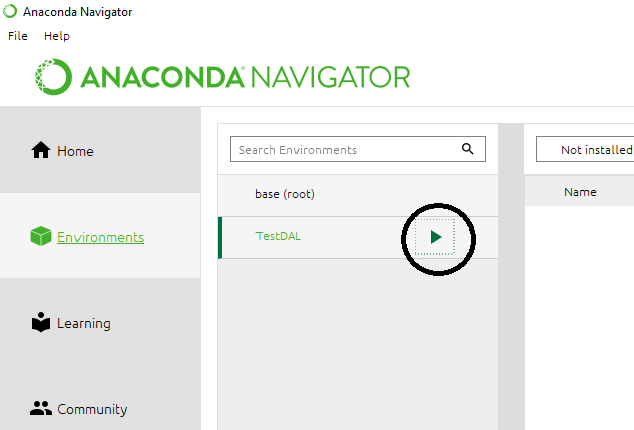
Open Anaconda Navigator



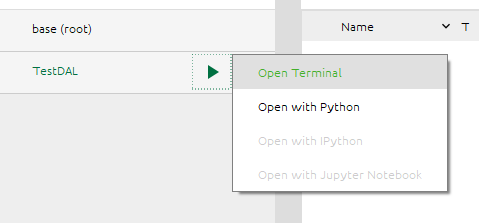
Clone an environment



Install a new package in the environment



Click the arrow next to the environment



Select open terminal

Type: conda install gdal

Using the PIP installer to install a non-conda hosted package

Open the first lesson Jupyter Notebook in the class material

Manipulating Text

Math and operators

Making Yes/No Decisions

Working with Collections of Data

Doing things repeatedly

Jupyter Notebook vs .py script files

Intro to Pandas, creating, getting data, and saving

Plotting Dataframes

Selecting data within dataframes

Python Functions – How and why to package up code

Creating a dataframe via SQL

Aggregating data using groupby

Interactive visualizations