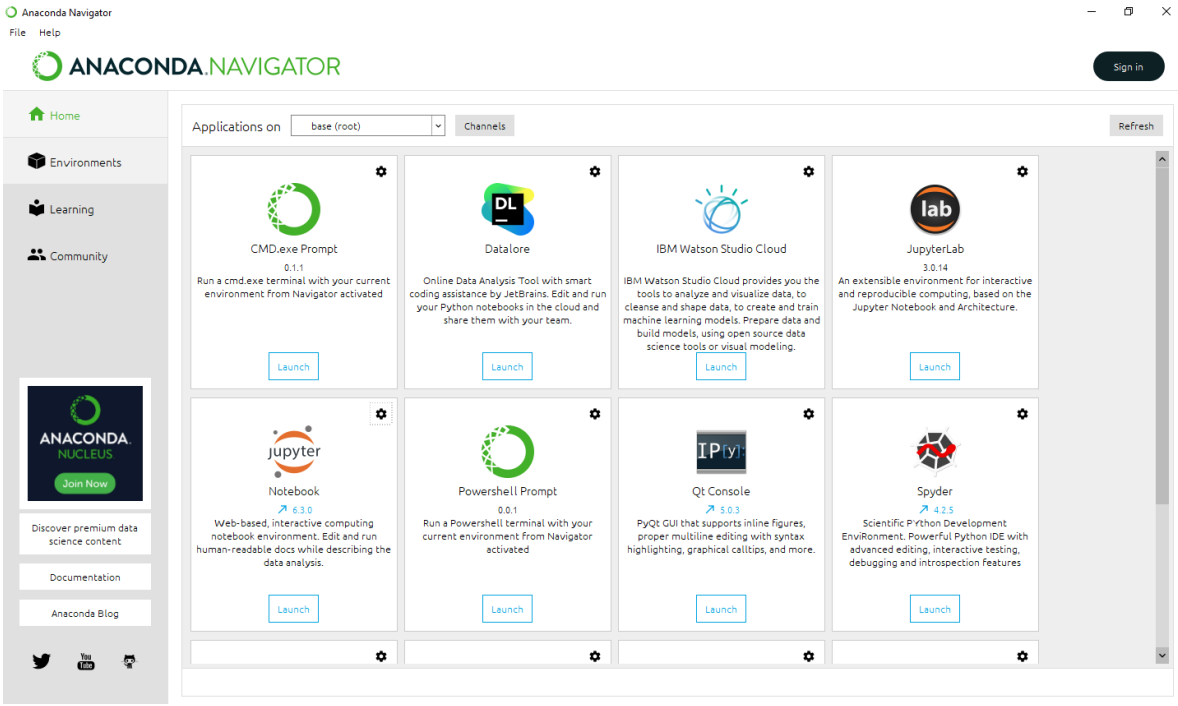
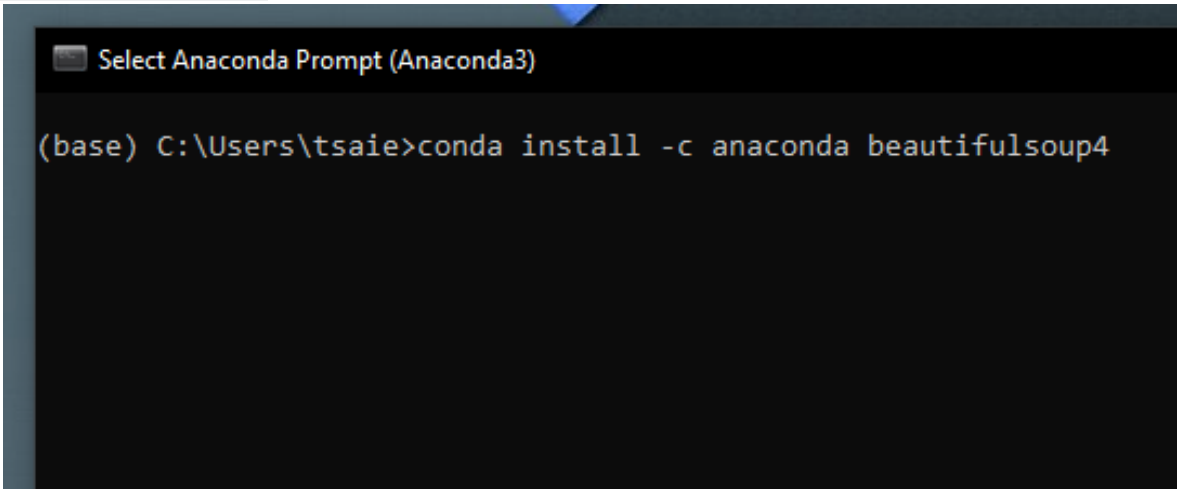
Setting up Jupyter Notebook for Data Appending and Web Scraping

Note: Web scraping Google search results can cause unusual web traffic ("Our systems have detected unusual traffic from your computer network. This page checks to see if it's really you sending the requests, and not a robot."). Google might ask if you are a robot before letting you search. This problem usually goes away in a few hours. Read more about this on Wikipedia.

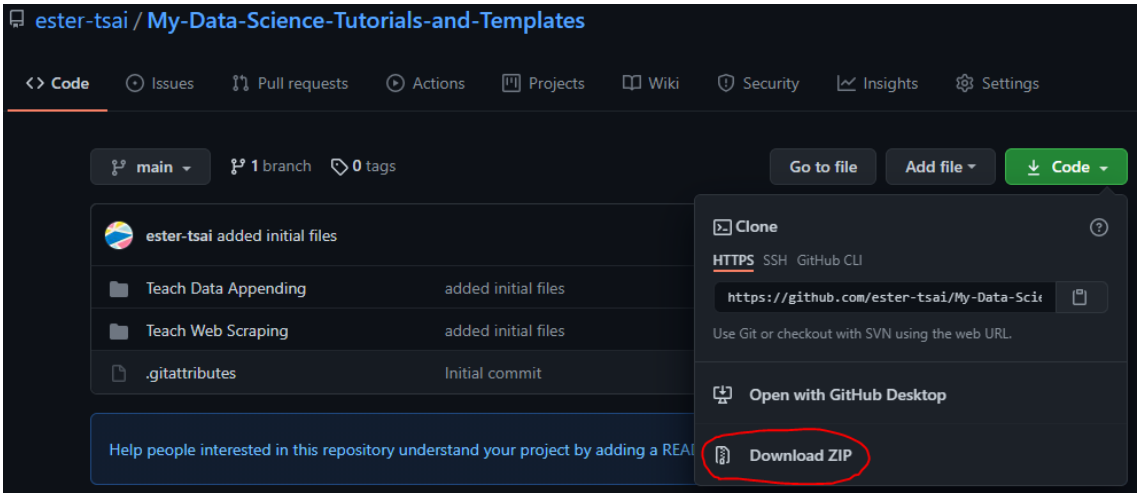
1. Download and set up (free) Anaconda, which is a convenient platform that contains access to Python, Jupyter Notebook, and many basic Python libraries
    a. Go to this link and download Anaconda for your PC
    b. Set up Anaconda. The result should look similar to:



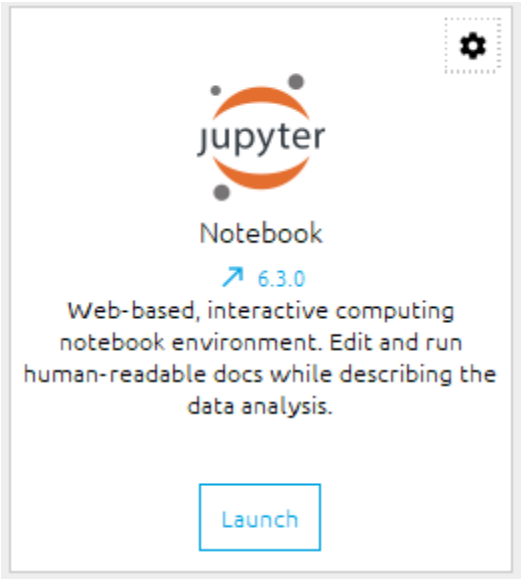
2. Install beautifulsoup4, the Python library for web scraping
    a. Open Anaconda Prompt, the command prompt/ terminal specific to Anaconda
    b. In Anaconda Prompt, copy paste `conda install -c anaconda beautifulsoup4` and hit Enter



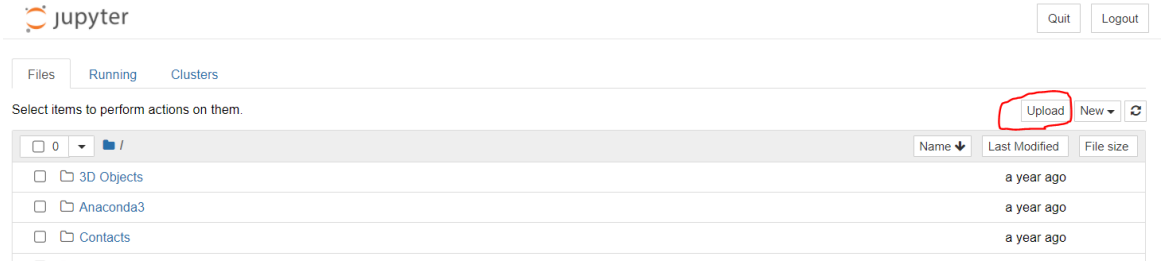
3. Download Ester's code from Github
    a. (you don't need to have a Github account to access this public repository)
    b. To download Ester's code, go to this public Github repository and click on the green "Code" button, then click "Download ZIP"



    c. Unzip the file you downloaded by right clicking on the zip file and click "Extract all…" — the result should be a folder containing the needed files.
4. Open Jupyter Notebook & upload Ester's code
    a. Open Anaconda Navigator (which may take a while)
        i. then click the Launch button for Jupyter Notebook



    b. Upload the code files named "BeautifulSoup Web Scraping Tutorial and Template.ipynb" and "Pandas Data Appending Tutorial and Template.ipynb" to Jupyter Notebook



    c. Open the file on Jupyter Notebook and follow the instructions on there to start appending data or web scraping for data
5. A successful run should result in an Excel file ending in ".xlsx", which you've named yourself at the bottom of the Jupyter Notebook file
    a. Open the Excel file to check on the results; perform spot checking if needed.