# Setting up local repository for Github

1. Create a Github account: *www.github.com*

2. Check if you have git on your machine by typing the following in the terminal or the command prompt (Windows)

   git –version

   You should get the version number, if not then install git from: *https://git-scm.com/book/en/v2/Getting-Started-Installing-Git*

3. Get your Github account linked with the main team Github repository called compassMachineLearning (Dr. Rosenberg should be able to do this for you).

4. You should get an email to link up with the account and you should click "View Invitation". This will bring you to the repository on the website on github. You should then "Star" the repository so you can access it later on when you log into your own account each time.

5. Set your desktop as your directory on the terminal.

   Type in terminal: cd <your Desktop location>. Check to see if it worked by typing pwd. This should print out the correct location of your Desktop (should be something like **/Users/<your name>/Desktop**).

6. Initialize your new folder as a git repository. Type in terminal: git init

7. Now "clone" the team Github repository onto your Desktop. First go to the Github repository on github.com and you should see a big green button called "Clone or Download". Click it and copy the path given.

   Type in terminal: git clone <copied path form Github>

   It should be:
   git clone https://github.com/idaocolorado/compassMachineLearning.git

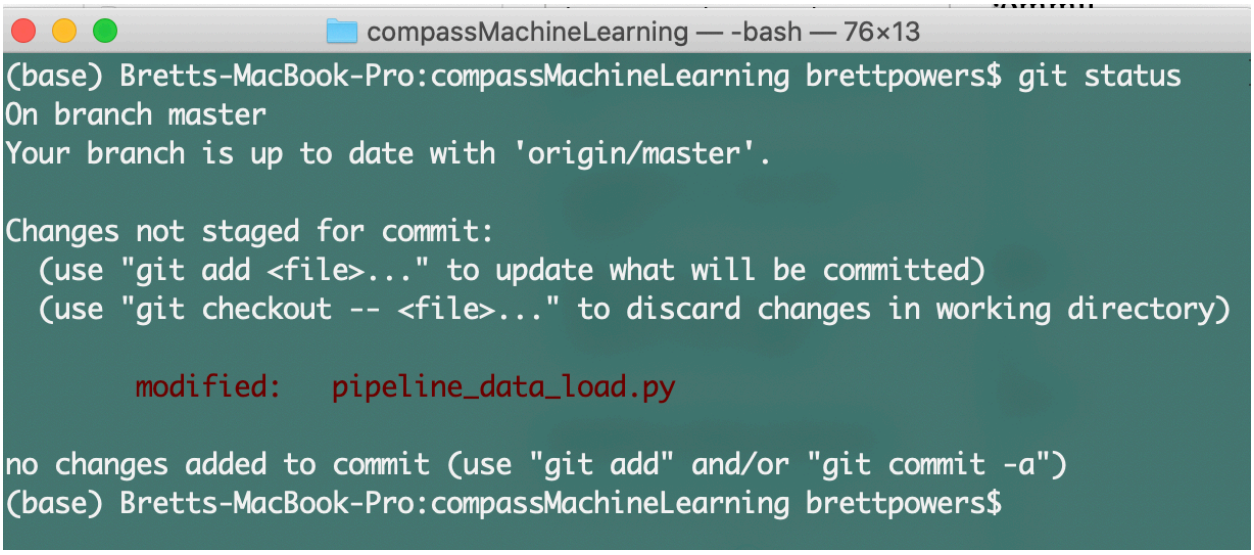
You now have the team Github folder titled “compassMachineLearning” on your desktop on your local machine. When you make changes to files you can “commit” them using git on your terminal and then simply type git push to sync it to the team Github!

# Here is an example:

I change a python script and save it within the compassMachineLearning folder.

I open up the terminal and make sure my directory is set to the correct folder. (Easy way to do this is just type cd and then click and drag the folder from your desktop onto the terminal and it will automatically input the path.)

I then type git status and see the following:




Very cool! I modified the script and git is saying that I made some changes.

Next I want to “add” the modified script into the git history by typing
git add pipeline_data_load.py

Then I can “commit” the change and add a message by typing
git commit -m “added a function to the data loading script”

And finally to sync with the team just type git push
To sync the team folder with your own use git pull