## Git and GitHub – DSGA Meeting, 4-4-19

### Objectives

1. Gain familiarity with git, github, and markdown
2. Practice writing in markdown, using git with the command line and atom, and collaborating on a repository
3. Discover what else you can do with git, github, and markdown

#### Setting up

1. Install git
2. Create a github account
3. Slack your username to Alice so she can add you to our team
4. **Config**-ure your name and user account using the command line
5. **Clone** this repository and open it in atom

#### Publishing

1. Create a new markdown document in your local copy of the repository.
2. Open the document in atom and write content: use markdown syntax to create headings, text, and links or images. Save the document.
3. **Add** your document to git’s plate so it knows you’ve made changes (also referred to as “staging” your changes)
4. **Commit** to the changes you’ve made (at least for now) and write a note about what you changed
5. **Pull** in any new changes from the cloud-based or “remote” repository (always do this before you publish your changes to a shared repo)
6. **Push** your changes to the remote repository.
7. Open the remote in your browser to see what happened.

#### Collaborating

1. **Pull** your teammates’ changes and see what happens.
2. Open the file [collaboration.md](file:////collaboration.md) in Atom, make some changes, and save the file.
3. **Add** your changes and **commit** them
4. Create a new **branch** of the repository so your changes won’t interfering with anyone else’s work.
5. **Checkout** your new branch (switch to it).
6. **Push** your changes to your personal **branch** (you don’t need to pull because nobody else should be working on this branch): git push origin [yourbranch]
7. Look at the remote in the browser and see if you can figure out where your changes went.
8. Once you feel good about the changes you’ve made on your branch, you can try to **merge** it with the master branch.