

Github Instructions

FOR PUSHING TO YOUR FIRST REPOSITORY

SOME VOCABULARY:

Repository (n): a directory on Github that contains a project

Fork (v): To copy someone else's repository into your profile, so that it's available as one of your own repositories

Clone (v): To make a copy of one of your repositories to your computer

Pull (v): You submit a pull request if you think your code should be accepted into someone else's; you accept a pull request if you're in a position of authority and want to accept someone else's code

Master (n): The trunk. The "official" working version of the project

Branch (n): A copy of the master that you edit

Merge (v): If your branch is compatible with the master, you can submit a pull request to combine the two (i.e., to merge)

Diff (n): Short for differential, it's the differences between the branch and the master

Add (v): To stage, or track, the files – must be done before you commit, which must be done before you push

Commit (v): To save a copy of the file, which you must do before you push

Push (v): To make something from your computer available to manipulate on Github

TO CONFIGURE GIT:

blue is specific to me, black is general

```
> git config --global user.email "eliz.s.grace@gmail.com"
> git config --global user.name "Elizabeth Grace"
```

TO PUSH TO A REPOSITORY:

```
> cd ~
```

Create a git folder "thesis" in home directory (must have same name as the git repository):

```
> git clone https://github.com/elizabethgrace/thesis.git
```

Copy files to the git folder:

```
> cd ~/Documents/Thesis
```

```
> cp -r IDL ~/thesis/
```

For the status:

```
> git status
```

To **add**, which you need to do before you commit (. means "all"):

```
> git add .
```

To **commit** files, where **-m** specifies that you're going to add a message flag and "initial commit" is the message here:

```
> git commit -m "initial commit"
```

To check that the files were committed:

```
> git status
```

To push the files to Github:

```
> git push origin master
```

Shoutout to [Anna Nuxoll](#) (clickable) for helping me out with all this!