Extremely basic command line and git usage

https://github.com/dlilien/pybb

Don't be scared

- I just want you to be aware of some useful tools for getting code that is already written to solve your problems!

Git

- Lets you keep easy track of versions of your code

- Let's people collaborate on code

- Public repositories on github are always free, private are free for students, but you can also stay local

What is a package in python?

- Think of it as something you import

- It may contain other things like executables or data

- These can be installed into your site—packages directory to have similar functionality to putting them on your matlab path

Installing packages

- Use a manager!
  - Pip
  - Conda

- Do it yourself
  - Clone a repository
  - python setup.py install [--user]

Let's install gdal and pygeotools

- Conda has some packages, but we need to hunt down a compatible gdal
  - ≫`conda install -c conda-forge gdal`

- Dave Shean has nice tools for raster data
  - ≫`git clone https://github.com/dshean/pygeotools.git`
  - ≫`cd pygeotools`
  - ≫`python setup.py install`