Weekly Update

Cappy Pugliese

11/17 - 11/22

This Week

11/17

- took my cat on a hike :)
- worked on 3rd grade outreach presentation
- updated last week's weekly update

11/18

- dentist appointment
- worked more on my preproposal

11/19

- made symlinks to get to the lab directory and the PD genome reference folder
- was going to try to use the files in the reference folder run the bwa mem command, but I quickly ran into permissions issues
- created a reference dict with picard
- indexed with bwa
- bwa mem command still "could not locate index files"
  - banged my head against a wall for an hour while I tried to troubleshoot again
    * had trouble naming the location of the index files
    * then started running into a "command not found" error
      · I had accidentally included "bash-4.2$" text in my code at some point because of a copy error

* ended up putting all the files in one folder out of frustration
* finally realized I had a copy error
* finally got things working

11/20

- cleaned up and reorganized things
- finished re-editing the bam file
- still ended up running into the "failed to open file" error
  – realized it was because I did not properly located the files
- tried to start the gatk pipeline as well, but the cluster does not have the gatk software already downloaded as a module
  – was able to download gatk from github and unzip the file
  – I'm unsure how to get gatk to work from here