HW0

Reflection Questions

1. **What excites you most about this course?**

   While I have played with the command terminal and Sherlock before for my research, I have never had any formal training in UNIX or how to properly store, process, organize large datasets. I am excited to use these skills for my research as a graduate student and hopefully future neuroengineer.

2. **What worries you most about this course?**

   I joined this class a bit late, so at the moment I am a bit overwhelmed about catching up or missing core concepts taught in the first week. I am also not confident in my UNIX skills, and am not sure what level of proficiency (if any) is required to do well in the course.

3. **What one skill are you most hoping to learn and why?**

   I am hoping to learn how to organize large neural datasets and how to structure my data files in a way that optimizes my ability to access, add to, and analyze them with more incoming data. This is especially important to me because as a first-year graduate student, I don't know yet what organizational structure will benefit me in two to five years.

4. **What role do you think data management will play in your career?**

   I am passionate about building new electrodes or recording modalities for the human brain. Given the high complexity of neural data (especially human neural signals), I will need to have solid data management skills to keep track of my experiments and process the signals I record during day-to-day experiments.

5. **What type of dataset are you hoping to work with and why?**

   As mentioned above, I would like to learn how to wrangle large neural datasets. I am hoping there is a publicly available dataset, e.g. human (or non-human primate) Neuropixels recordings, so that I can learn how to process and manage them.

Evidence

PDF on AFS

HW PDF appears on AFS and is accessible from the web. (**Note:** *Figure 2* shows that the HW PDF appears on AFS directory using the terminal.):
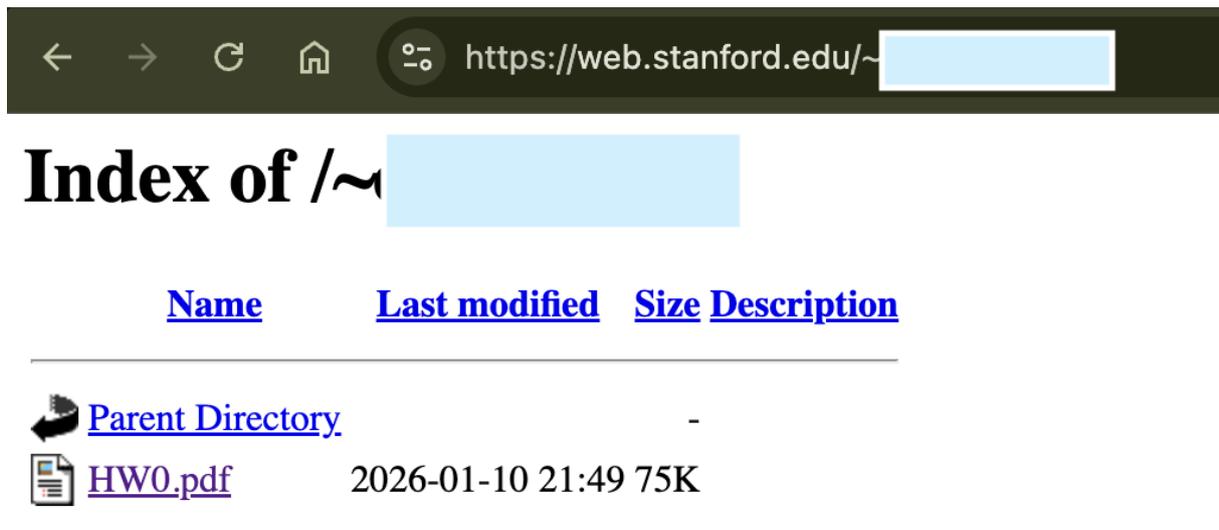
Figure 1: PDF on AFS webpage

PDF on Google Drive

HW PDF uploaded to Google Drive using rclone:

Figure 2: rclone code for SGD

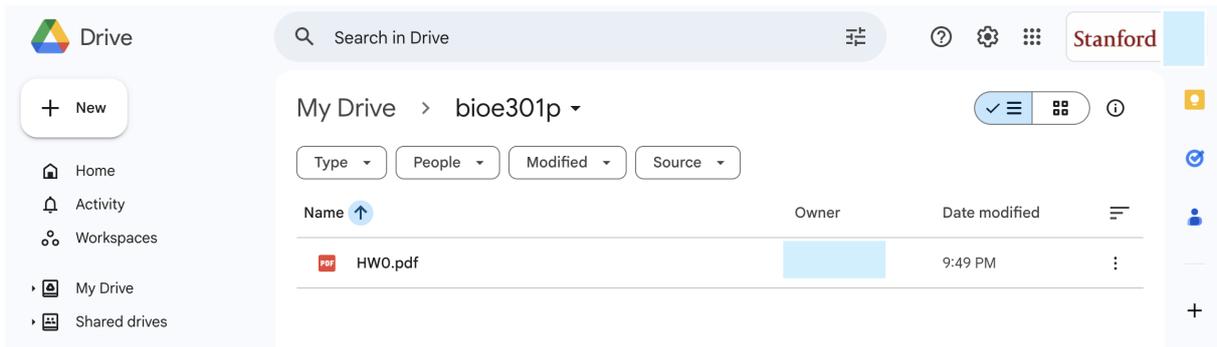HW PDF appears on Stanford Google Drive:

Figure 3: PDF on Google Drive

PDF on Google Bucket

HW PDF uploaded to Google Cloud Storage bucket using rclone:
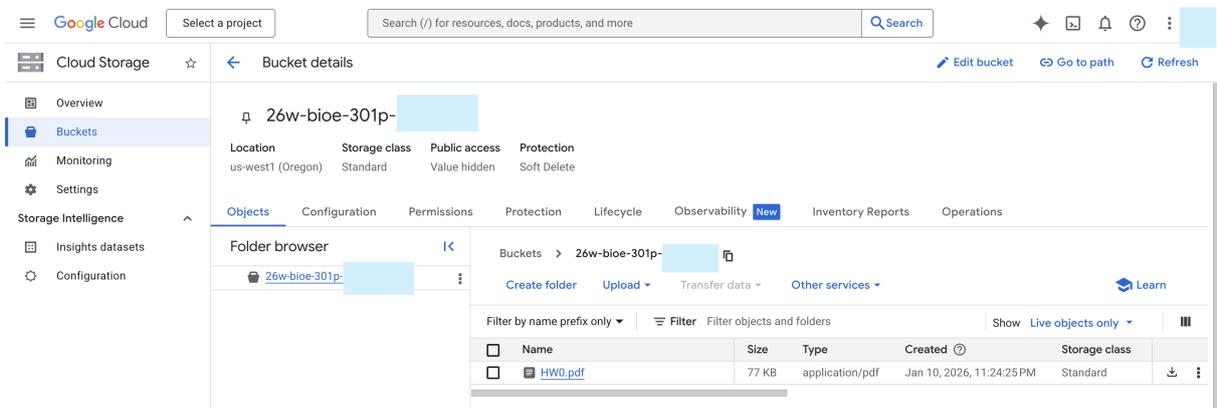

Figure 4: rclone code for gcp

HW PDF appears on Google Cloud Storage bucket:

Figure 5: PDF on Google bucket