Project Notes

Questions:

* Class:
  + I’ll be working with pretty large dataset of neuroimaging data, each of the 35 participants has a concatenated betas image that’s about 17 mb, plus the files for the regions of interest for each subject... Should I be keeping this with the project folder or is this too much to share on my website?
  + Am I able to share a dashboard on my website via a blog post?
* Dasa:
  + I was planning on using the category decoding, but should I also try the correct v. incorrect trials to test the algorithms on different classification problems?
  + Should I use the smoothed betas?
  + Should I use just one of the trial timing conditions or all of them?
  + Should I use the trial or item models? The trial model would give us larger class sizes but the item models wouldn’t have those repeated trials that might mess up subsampling methods

Week 3: 1/17/22 – 1/21/22

* Compare the results of the algorithms to sub-sampling
  + Not optimal bc we can lose a lot of data that way
* Where I’m at:
  + Figuring out…
    - Which data to use (temporal or no temporal derivative, smoothed or non-smoothed betas, all or just one trial timing condition, trial or item model)
      * Probably with temporal derivative
      * 2 runs of each timing condition, 12 items per run presented 2x-4x each (so for 12s trial, 24 trials total, 12 for
    - Which regions of interest should I use
    - How to get the fMRI data into R… I’d like to be able to read the fMRI images into R directly and extract the values that I need within the script… this will allow me to just the regions of interest more easily. If this ends up being too much work, I could also extract the betas on Talapas and save them into csv files, but this would be an extra step.