11/30 Challenge Advisor meeting with Maria

Recording of part of the meeting - mostly just includes Vanessa’s wonderful explanation of the HPC stuff: <https://smith.zoom.us/rec/share/XytCpiPYkBtJgxS4imvUXF1yQTz_xpbZwYAHagjcg2X_kIVzJ2rk9ODoKBo3UIAM.G019lzghogYg10sU?startTime=1701387774000>

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* For our presentation, we are being evaluated on our communication skills
* Our project is prob the hardest one out of all of the projects this semester, so we should be proud of ourselves
* New skills that we have learned: transfer learning, extracting data from images
* Current progress
  + All data is now in HPC
  + We have Anaconda environment but not using it right now(?)
  + 15 gb dataset
  + Moved all photos from all subfolders into a folder that contains all photos
  + If we need to downsize, then just extract the images that contain pedestrians and cyclists
* Maria wants to work with us to deploy the model into MATLAB and put it into production
* We are going to MathWorks to present in january
  + Both MathWorks teams will present
* Maria wants to see our practice presentation if possible
  + So whatever time works for us, just send her the invite and she’ll try to be there
* This project is pretty close to what you would do in the real world
* Maria is happy to help us continue working on the project even after the presentation
* Contingency plans - if the model doesn’t get trained in time:
  + Train a model on a small num of epochs? Then present that info with the caveat that we are working on training a better model, but due to the amount of time it takes, we weren’t able to get that info in front of the presentation audience in time for the presentation
  + Train on a smaller dataset with fewer images, which should take a shorter amount of time to train