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| **MEETING PARTICIPANTS** | |
| **CORE TEAM** | Molly Meadows  Noah Rieth |
| **OTHERS** |  |
| **MEETING LOGISTICS** | Agenda: See below  Meeting conducted: Zoom videoconference |
| **MEETING CONTENT** |  |

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| **MEETING SUMMARY** |
| **Agenda**   * Talk about the new project exploration (Neural Network) and how to apply it to our openPose data |
| **Notes**   * Noah and I (Molly) described our attempts with getting our skeletal data from the OpenPose body\_25 model to work with the neural network that was given to us by Dr. Vakanski   + Noah described how he was going through the process of changing the x,y coordinate data for each joint to have a compatible angle in degrees so that we could use the neural network as was given to us   + Molly described how she output the data for each joint in each frame of the video into a .csv file since that is the format of which the neural network takes in data   + Molly described how she was creating a new model heavily based of the dimensionality reducing neural network to train a new model that would utilize the x,y coordinates we have for each joint per frame * We decided that it would be more intuitive to train our own slightly changed model to work with our current joint data * Discussed that the GPU server would be crucial to speeding up training our model   + According to Dr. Vakanski’s notes, it takes 45 minutes on the GPU server for each cycle of training * Noah described his progress with smoothing out the algorithm to fill in missed joints from the Open Pose Model |
| **Goals:**   * This weekend try to get the OpenPose data running with the autoencoder dimensionality reduction neural network * Update script that writes data to .csv for input into neural network * Understand the Preparing Data and Preparing Labels for NN matlab files (this is our first step to begin training) |