Jack Tinker - Project Contributions

Kevin and I selected the ADS to use for the project together. I ported the ADS code from Python2 to Python3 so we could perform analysis on it with modern packages. Together we worked on the background and input and output sections, and I wrote the code for the input and output section. For the implementation section, I worked with the code base to understand the details of the model implementation, and Kevin explored the details of quadratic weighted kappa. I worked on the writing for the outcomes section and wrote the code to produce the SHAP plots and create the clusters. I also explored the multicollinearity of the XGB models. Kevin wrote code to create the metrics computed by age and BMI. I worked on the summary section.