# Week 6: Team Log

This week we made a lot of progress, as it was the initial modelling phase. We mapped out each of our 3 modelling phases and how they would flow together. This was done by creating a pseudo code document that lists what each step of the process entails and what the input and output of each step is, in order for us to start working on different models at once. The first model, clustering, was coded and run to give us some outputs. As well the second model, which we originally thought would be Lasso but is now Ridge Regression, was also coded and was run for output. Research was done in order to decide what direction we will go with for the third model. As a team we thought we made the most headway with this week, as we actually were getting preliminary results from two of our three modelling steps. In addition to the modelling, quite a few functions were coded and reviewed which helps get the data into the format we need for each modeling phase. This includes a function for aggregating values and scaling them. Feature selection and feature engineering were also wrapped up this week and we were able to identify relevant features.

# Tasks for the Next Week

1. Develop various classification models for EC

2. Add code for each step of the model into the main.py file & make sure they are connected correctly

3. Tune the model → increase accuracy

4. Optimize & clean the code → increase speed