Week 7: Team Log

This week we finally got our model to come together and get some output when inputting data into our main.py file. We were able to find a list of problematic data that we sent to UDL. In return UDL was able to make some changes to the database which is helpful for them for future use but doesn't really affect any of our work. We were able to query additional days of data and add in weather data into the process since we hadn't done that before. For coding we were able to get the average MSE for all the ridge regression models for modelling the EC/NC relationship. As well we developed grid search code for optimizing each model. UDL was also able to send us diagrams and information on UBC's electrical panels which helped us to finalize sensor tags in order to finalize our testing and training data.

Tasks for the Next Week

1. Finish Tuning Model

2. Start writing final report

3. Start creating final presentation

4. Create Jupyter notebook on how to use the main.py & modules

5. Create placeholder dashboard (visualization)