**Date:** May 6, 2021

**Previous Week**

**Goal:** Project Understanding and Proposal

**Completed:**

* Meet with UDL and select project: Buildings data streaming anomaly detection
* Setup project management tools (Clubhouse, shared Slack, OneDrive, GitHub, templates)
* Review background links

**Issues:**

* None

**Outstanding:**

* Complete proposal report and proposal presentation

**New Week**

**Goal:** Understand Data/Systems

**Carryover:**

* Complete proposal report and proposal presentation (both on track to be completed by May 7 to meet deadlines)

**New Tasks:**

* Select subset of data for initial study (completed during meeting)
* EDA of data subset
* Get up to speed with InfluxDB
* Understand the UDL data systems (SkySpark)
* Simulate streaming in InfluxDB
* Start anomaly detection research
* Start anomaly detection modelling

**Issues/Resources Needed:**

1. Recommendations on a subset of data to start with for EDA that could be used for the anomaly detection project.

Energy and Water Services website about [CEC](https://energy.ubc.ca/projects/district-energy/campus-energy-centre/), [BRDF](https://energy.ubc.ca/projects/brdf/), and [SkySpark](https://energy.ubc.ca/energy-and-water-data/skyspark/)

<https://skyspark.energy.ubc.ca/>

Username: \*\*\*\*\*\*\*\*

Psw: \*\*\*\*\*\*\*\*

Database >> Database query, and select site CEC or BRDF

This will show the same data as the POINT measurement in UDL’s SKYSPARK database

1. Access to InfluxDB tokens and recommendations on InfluxDB docs to focus on.

<http://206.12.92.81:8086/> public02

Data>>Tokens

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1. Potential discussions with domain experts.

Clubhouse story assigned to Jiachen - meeting likely late next week or early the following week

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| **Person** | **In Progress** | **New** |
| **Nate** | * Proposal Report and Presentation | * Understand InfluxDB and Skyspark * Simulate Streaming in InfluxDB |
| **Mitch** | * Proposal Report and Presentation | * Understand InfluxDB and Skyspark * Research anomaly detection modelling |
| **Ryan** | * Proposal Report and Presentation | * Understand InfluxDB and Skyspark * Complete EDA on data subset |
| **Currently Unassigned** |  | * Start anomaly detection modelling (may not be completed this week) |