iLab1: week 2

Finally, the first iLab project begins. I feel bit excited, yet panic, as I can deliver the project, would add values to the client or not.

**Background and Project goals**

Our project is about to develop stock earning driver model for J.P. Morgan. Our primary project goal is to identify the key drivers of individual stocks earnings, such as Iron Ore prices and FXRates for FMG-AU, Oil prices, interest rates, consumer sentiment for QAN-AU, Oil+ Coal+ LNG+ wholesale energy prices + temperature + solar panel take-up rates for ORG-AU using Python and Google Cloud to predict the stock market for next year for J.P. Morgan.

**Status report and Design journal**

As our project is on predicting the stock market, our team is occupied in the collection of datasets and review the relationship what the data is all about.

Our team has to collect the datasets from a different data source about the stock market as well as the foreign exchange rate from past 20 years, as well as create a grouping between those datasets. Our team also have to develop a draft of objectives, expected outcomes, and project delivery.

**Key concept and Framework**

From the objectives and expected outcomes/ deliverables, our team is working on key concept and framework. Ourselves using Python for coding and visualization. Our team will engage with the client every week to review the progress as well as daily review with the client to quick catch-up through the mail.

**Data Privacy and legislation in context of stack holder**

As J.P. Morgan has strict confidentiality regarding datasets as this is traditional investment banking firm and J.P. Morgan have some privacy issue of data, ourselves have to work on our datasets from Bloomberg, Yahoo! Finance as well other investment firms.

**What Myself did in past week?**

Last week were essential for me to figuring out what we will be doing during the semester. We contacted Berowne from J.P. Morgan, and discuss about the project with some documents review as we (I and Gautham) both are not from finance background. This project is about sentiment analysis, cause and effect as well as prediction and applying machine learning hence our team was working on that.

**Learning prospective in last week**

Initially, myself found out that I do not know about this domain, statistical analysis as well as my project goals. However, after some communication with my academic mentor I am less terrified about this prospect. I also contacted to Gautham about this project to understand project goals related finance and investment banking.

I was a bit confused about academic prospective – to maintain as well learning opportunities as per the marking criteria and professional prospective – to maintain relationship and provide expected outcomes for the client. However, the academic prospective is manage by marking.

**Learning prospective for this project**

As I already experienced in Python along with data visualization libraries, Myself do not have to spend much more time on it. However, I hadn’t applied machine learning algorithms as well as myself is entirely new into sentiment analysis, hence before I started working on it, I should test the waters. In particular, Finance and banking domain is new for me. Thus myself have to understand in a much broader context as well as continue reading about the stock market.