**Proposal Memo**

**Date: May 10th, 2020**

**Project Title:** Stock Modeling

**Project Objective:**

Used machine learning to develop a financial modeling to forecast the U.S stock. The first phase would be only focused on the real estate sector. The data that included real estate index, real estate stocks, and mortgage rate would be used in the model. Any data that might lead to better result in stock forecasting could be add-in to the model as long as the data is available to obtain by the team.

**Data Input:**

S&P Dow Jones Indices

S&P / BMV Housing Index

Property Tax

Mortgage Rate

Real Estate Stocks

**Project Timeframe:**

* Proposal
* Data Collection
* Data Analysis
* Data Update Automation
* Model development
  + Training & Training Model

**Responsibilities:**

Proposal: Kimi

Data Collection: Kimi

Data Analysis: Shawn

Data Update Automation: Allan

Model Development: Sophie

\*The responsibility is not only limited to the person who is mainly responsible for the tasks. We are encouraging to foster teamwork environment to carry out positive result.