**Capstone Project 1 Proposal**

**Problem Statement:**

Competition in maximizing return in stock price movement is increasing everyday due to algorithmic trading. Machine Learning model introduction to the stock market has the potential to deliver new heights of competition to the market and achieve higher automated data driven returns.

**The Solution:**

Predicting the daily closing stock price for Royal Bank of Canada (RBC) (TSE:RY).

**Dataset:**

<https://ca.finance.yahoo.com/quote/RY.TO/history?p=RY.TO>

***OR*** <https://www.quandl.com/search?filters=%5B%22North%20America%22%2C%22Equities%22%2C%22Prices%20%26%20Volumes%22%5D&query=ry>

**Clients:** Investment Banks and institutions, Retail Traders & Hedge funds, RBC