**CSC 535: Data Mining**

**Project Proposal**

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Description:

We have decided to use the stock market for our final project. The main task that we will be performing is clustering analysis. Our goal is to categorize or group stocks into groups. For example: when we run the algorithms, it can tell us which stock to buy, sell or neutral on a particular day.

The dataset we will be using will be from **Yahoo! Finance.** Since Yahoo have decommission their historical API, we are going to use a Python library called **yfinance,** which is going to help us fetch data from Yahoo! Finance.

Reference:

yfinance: <https://pypi.org/project/yfinance/>

Yahoo! Finance: <https://finance.yahoo.com/>