**PROPOSAL**

**Project Title: Market Sentiment Analysis**

**Team Members**: Joshua Bui, Tommy Steed, Irkali Intskirveli, Ethan Litke

**Project Descriptions/Outline**: To understand the relationships between market performance and social media sentiment (i.e. Twitter)

**Research Question:** Can a market performance be predicted by social media?

**Datasets**: Twitter API, Yahoo API, Google Finance API

**Task Breakdowns**:[Trello Taskboard](https://trello.com/b/0SXVRjQZ/project-1)

1. Twitter Sentiment Analysis (Target User / Term) v. US Market Performance (Exchange Rates/GDP/)
   1. Target User - financial publications (WSJ, Financial Times, etc.) - **TASK**: Irakli & Ethan
      1. Different users (hedge fund managers, people, gov’t officials)
   2. Target Term - public (Twitter API) - **TASK**: Irakli & Ethan
   3. Stock Data (Yahoo API & Google Finance API) - **TASK**: Tommy & Joshua