

# Project Milestone - Stock Market Analysis

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Progress Slides

# Introduction

Understanding and predicting stock market movements is useful for individual stock market traders as well as investment firms and banks. So far, the task of successfully predicting stock prices has been done by people. We ask the question, “Can ML algorithms effectively outperform the average trader?” and seek to answer that question. By introducing the performance history of different stocks, we can visualize the data and look for correlations between stock attributes/features to help determine the current/future performance of any given stock. We intend to store the collected data in a data warehouse for efficient retrieval to be used by a machine learning model (possibly a linear regression).

# Updated project proposal

- No major changes have been made to the overall design of the project; our intentions remain the same.
  - Clean and ready data for use.
  - Visualize data and look for correlations between stock attributes/features.
  - Use model to predict stock performance.

# Accomplishments so far

- Created github workspace for both of us to access:  
[https://github.com/kristian-montoya/stockmarket\\_analysis](https://github.com/kristian-montoya/stockmarket_analysis)
- Downloaded and prepared data

# What Remains To Be Done

- Create a revised dataset from the dataframe that will be used for a Linear Regression model.
- Test the model and report accuracy based off of features selected for use.