Group: **Terence Johnson Fan Club**
DS 3001
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1. What is in your data?

Our research question is; How did the 2024 election and Trump administration policies impact financial market trends? We plan on having data on different types of financial information; this would include individual stocks, sector ETFs, index funds and market volatility indices. We will utilize the Yahoo Finance Package within Python in order to scrape financial data and conduct analyses. Through the yahoo finance package, it gives us the following variables related to the stocks: Price, Close, High, Low, Open, Volume, Ticker, and date. In addition to the financial data, we will plan to have dummy variables that relate to significant political events in order to clearly display any potential side-by-side relationship. Events such as debates, election day, inauguration day, and policy related statements. Policy related information related to tariffs, corporate regulations, and other miscellaneous announcements that we feel could have an impact on the financial market. We will gather this data by scraping from multiple sources including but not limited to Brookings Institution, ballotpedia, and X.

2. How will these data be useful for studying the phenomenon you're interested in?

The 2024 change of presidential administrations has indicated that a lot of financial and regulatory changes will be forthcoming. We'd like to truly analyze the levels of change and where this change is being felt in order to better understand the overall political landscape of our country. From our data, we want to analyze the market reaction as a whole (index funds), how certain sectors like healthcare, energy, technology react (sector ETFs), how individual companies that could be directly correlated with the administration react (Tesla stock, Exxon stock, etc.), and how volatile the shareholders feel the market is (market volatility index).

3. What are the challenges you've resolved or expect to face in using them?

The primary challenge we're up against is being able to display the political events as data that can be related to the financial data efficiently. The temporal systems for the 2 types of data we want to work with vary a bit, and so a major part of the challenge will be formatting our tables and models to appropriately accommodate everything. There will be a lot of judgement and grey area into defining which political events are most important, being able to scrape that data, and analyzing it against the market trends.