



Group Emu: Nishant Gaurav - Kirk Leverone - Lauren Stinson

Project 1: Are Certain Companies Stock Values Correlated with Bitcoin's Value?

Project Description/Outline:

1. Determine whether the stock values of different company types are directly correlated with the value of bitcoin.
 - a) Energy companies
 - b) Blockchain companies
 - c) Payment processing companies
2. Compare the value of bitcoin since its creation in 2009 to the stock values of 100 companies in each category.

Research Questions to Answer:

Hypothesis: All 3 groups of companies' stock values are directly correlated with the value of bitcoin.

1. What companies do we want to look at?
2. What are the historical stock values of each group of company?
3. What is the historical value of bitcoin?

Datasets to be Used:

1. Coinbase (<https://developers.coinbase.com/docs/wallet/guides/price-data>)
2. Yahoo! Finance
3. Kaggle

Breakdown of Tasks:

- We will each take a group of companies and work on the data.
- We will then combine datasets / charts and put in final presentation

Possible idea: do we want to look at company categories that might be inversely correlated to bitcoin's values?