**Project Proposal: Bitcoin Value Prediction**

I want to predict the value of a bitcoin based on variables that impact the value and demand of a bitcoin

Bitcoin is a relatively new crypto currency and is also one of the more famous ones. There is a lot of research in the field due to the curiosity and attention it attracts. A key factor to the success of bitcoin is the sentiment of the buyers and the degree of confidence in the system. Other important factors are performance of leading stock markets and currency fluctuation

This analysis will help understand relationships between the different variables in the dataset and how they contribute together to impact the value of a bitcoin. This analysis may also eliminate certain variables that were considered important factors for bitcoin value fluctuation

The data I plan to use is:

1. Bitcoin data: Data on bitcoin rates, markets, market size and demand is available on <https://www.quandl.com/collections/markets/bitcoin-data>

Data is available in XML and JSON formats

1. Twitter sentiment: Use Twitter APIs to mine all tweets for bitcoin
2. Stock market data: Get data about different markets from reliable sources. There a lot of sources available, I will have to vet them to see which one is the most reliable