

Data Science Final Project

Bitcoin



DECEMBER 2020

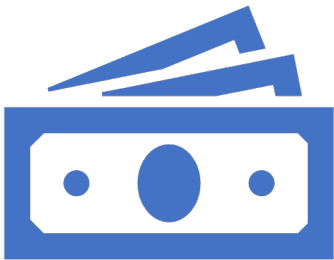
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Project Details

1. The techniques/data that you are considering in the project.
2. What is the value of what you are working on the impact that it can make in a particular business?
3. What are you hoping to achieve in this project?
4. What results have you achieved so far and is do you plan to do in the remaining time?

Business Impact

WHY SHOULD WE PREDICT THE PRICES/ VOLATILITY OF BITCOIN?



Cryptocurrencies will likely be the future of money due to the increase adoption of blockchain



Predict the future price of bitcoin to make financial returns based on technical and sentiment analysis



Discover the key drivers of bitcoin pricing

Process

HOW DO WE PREDICT THE PRICES/ VOLATILITY OF BITCOIN?



Historical Bitcoin

- *Look into the relationship of historical data points*



Google Search

- *Monitor the relationship of the frequency of google searches of bitcoin to the price of bitcoin*



News Articles

- *Conduct a sentiment analysis of news articles and the relationship between bitcoin prices*

Other cryptocurrencies

- *Monitor the relationship of other cryptocurrencies (Ex. Ethereum, Ripple, Litecoin)*

Other asset classes

- *Monitor the price of Gold or other precious metals due to both assets having limited supply*