Crypto: A Look into How the Digital Currency Changed the Global Financial Landscape

Abstract:

With the cryptocurrency data retrieved from Kaggle we are interested in putting together an inferential analysis. We will be looking specifically into the five most popular cryptocurrencies : Bitcoin, Ethereum, Litecoin, Ripple, and QTUM. We will be analyzing basic pricing data such as daily opening and closing prices, daily highs and lows, volume and market cap to look for trends among each crypto. The goal of our analysis is to be able to gain some insight from the dataset, infer conclusions to determine periods of time that had the greatest influence on the crypto market and do some external research in order to discover what outside factors can be contributed to these market shifts. We will also look for correlations between any or all of the currencies, as well as look for periods where one currency may have acted adversely to the rest of the market. We believe gaining this insight may be able to aid in our ability to gain foresight on future market trends.

Dataset:

The dataset we're planning to work on has been hosted in Kaggle.com. It contains the stock price variation for some of the most popular cryptocurrencies in the market over a period of over eight years. The dataset contains a collection of multiple .csv files for different currencies. The files contain the features,as mentioned in the abstract above, separated by columns.
https://www.kaggle.com/sudalairajkumar/cryptocurrencypricehistory/data

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