

Alpha Release

Overview:

My data visualization final project will be based on cryptocurrency. I will show how various cryptocurrencies have grown and declined in price over the years. I will also show major milestones in the price of bitcoin and how these events have affected the price of bitcoin in both a positive and negative aspect.

Features included:

I have created the graphs for half of the history of bitcoin and relevant information on those dates. This shows how the most famous cryptocurrency had its ups and downs and the events that affected it.

I have created a running bar chart on the ranking of change in opening price by month. This will show which cryptocurrency has the best returns on investment over time.

The line graph shows cryptocurrency prices from inception. This needs to be updated so there will be an interactive session that allows the user to zoom into the graph and remove certain cryptocurrencies from the graph.

Upcoming Milestones:

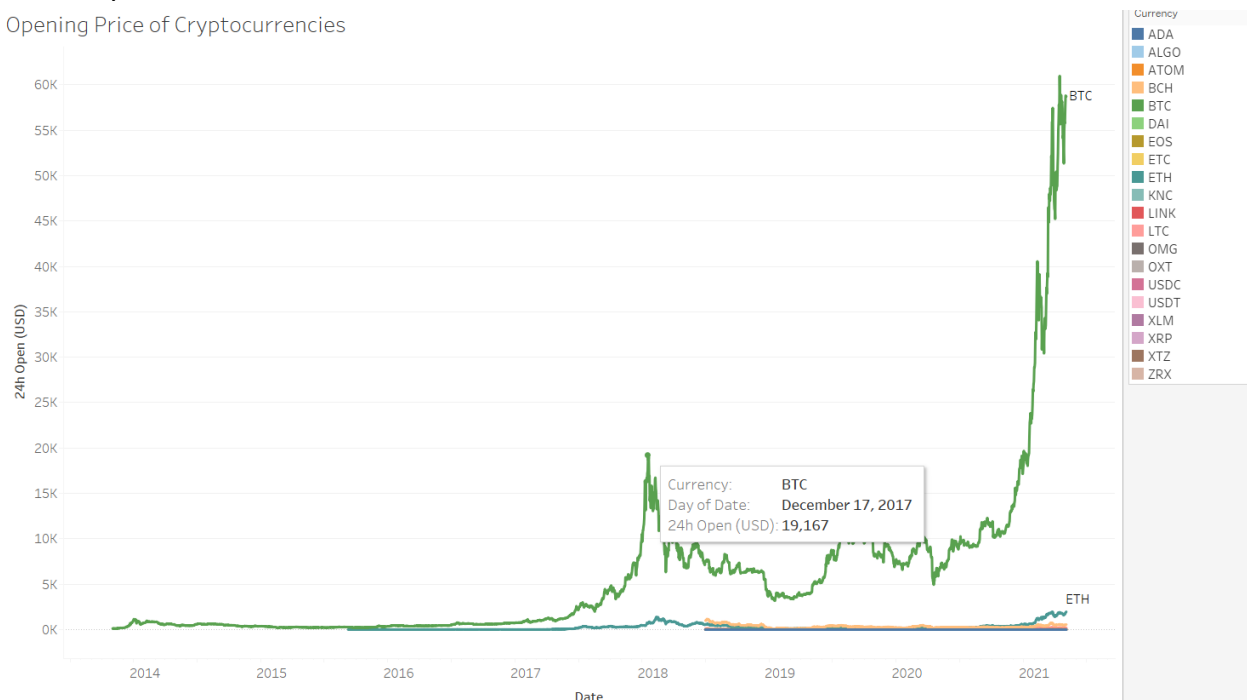
The interactive session with the line graph will be the next milestone in this project.

Roadblocks:

I've hit a temporary roadblock in d3.js for the line graph where all the cryptocurrencies are being registered as a single cryptocurrency instead of discrete values.

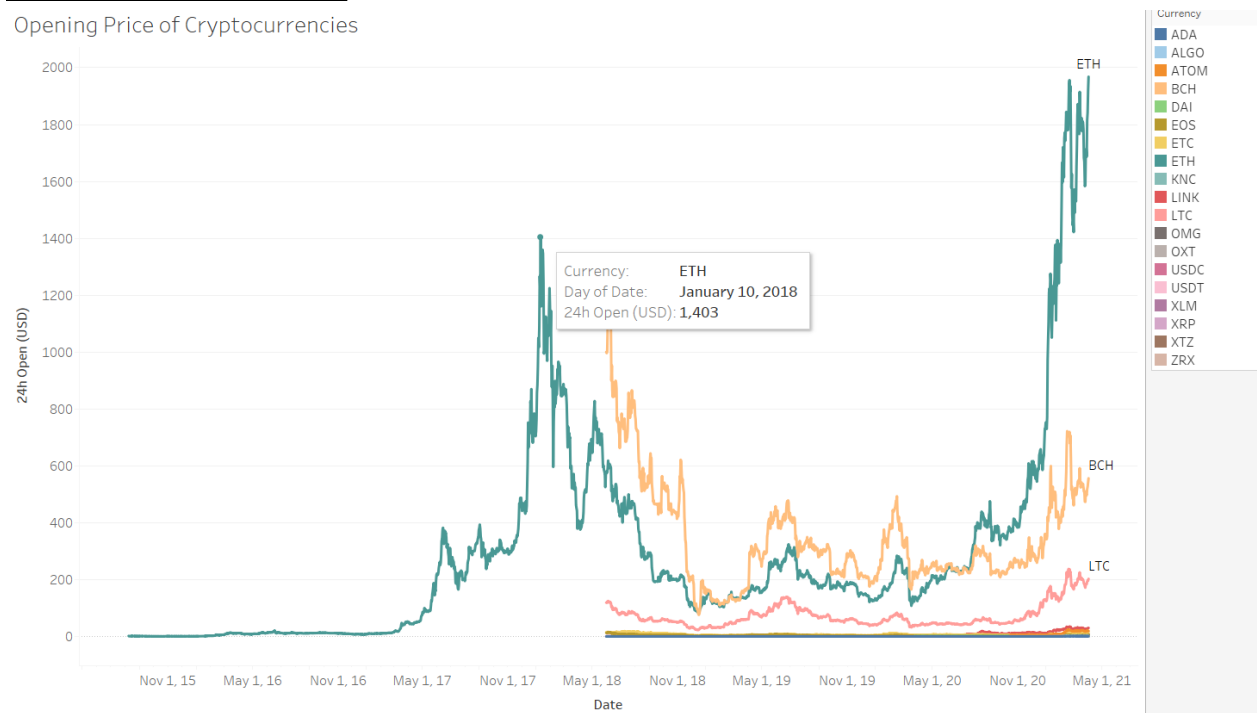
Line Graph with Bitcoin

Opening Price of Cryptocurrencies



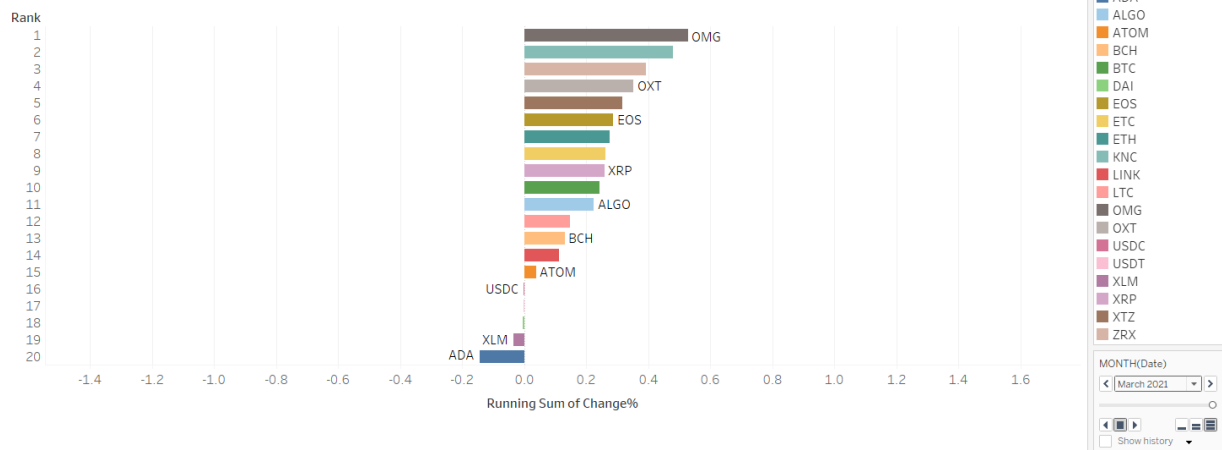
Line Graph without Bitcoin

Opening Price of Cryptocurrencies



Ranking the Running Change in Opening Price (Running Bar Chart Visualization)

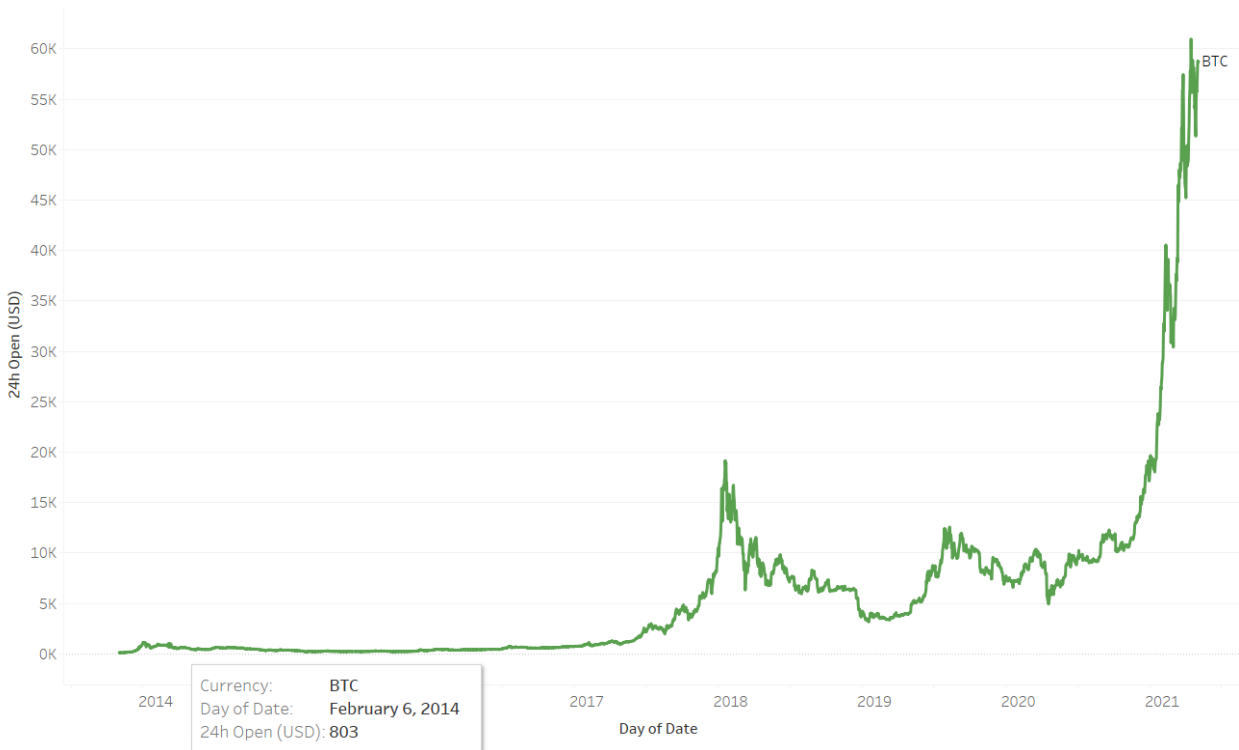
March 2021



History of Bitcoin

Feb 7th, 2014 - Mt. Gox, one of the largest bitcoin exchanges handling nearly 70% of bitcoin trading¹, suspended withdrawals citing technical issues. By the end of the month, Mt. Gox had filed for bankruptcy protection in Japan amid reports that 744,000 bitcoins had been stolen.

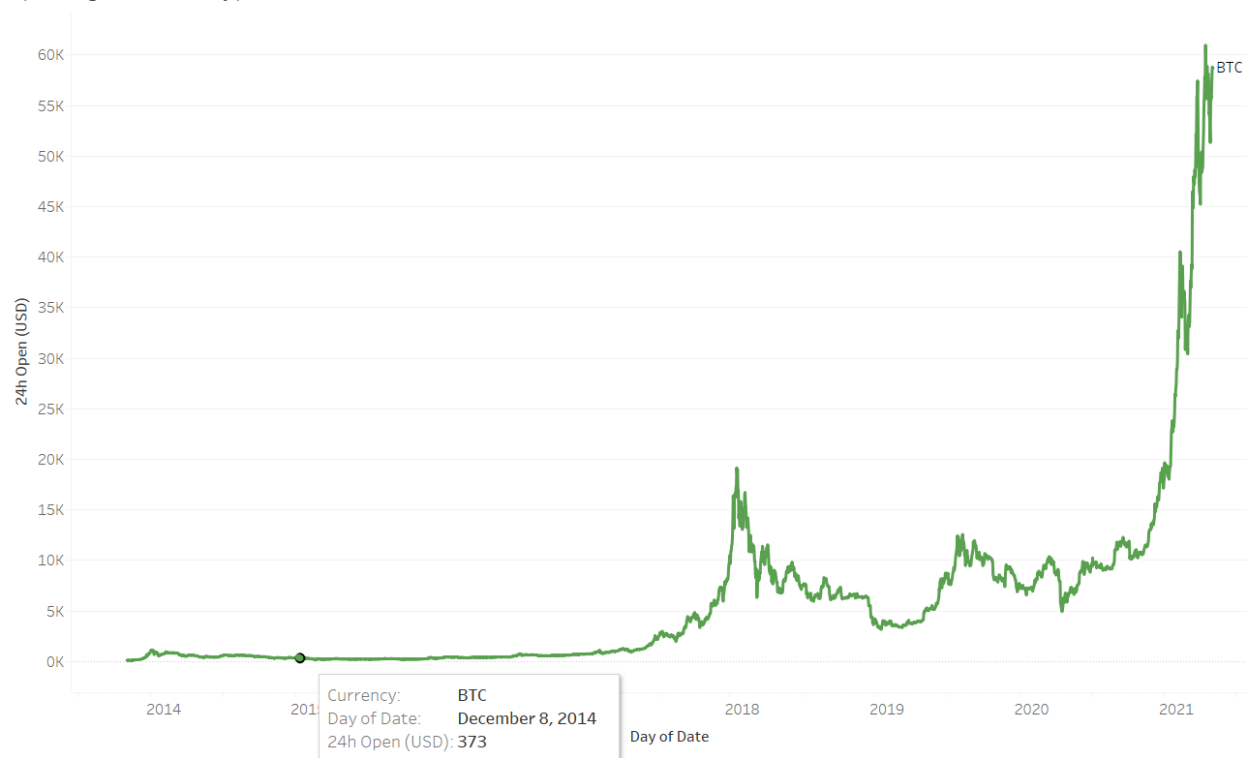
Opening Price of Cryptocurrencies



¹ <https://www.wsj.com/articles/BL-263B-352>

December 11th, 2014 → Microsoft becomes one of the first major tech companies to support the payment of Bitcoin²

Opening Price of Cryptocurrencies



² <https://www.theverge.com/2014/12/11/7375771/microsoft-supports-bitcoin-payments>

January 21, 2015 → Coinbase gets a Series C Funding at \$75 million at a post-money valuation of \$490 million

Opening Price of Cryptocurrencies

