

Crypto Market

by Nikolas Stahl

CRYPTO



What is Crypto?

Crypto: Digital currency secured by cryptography, enabling decentralized peer-to-peer transactions.



What Cryptos will I investigate?

Etherum, Bitcoin, XRP, Uniswap and Doge Coin

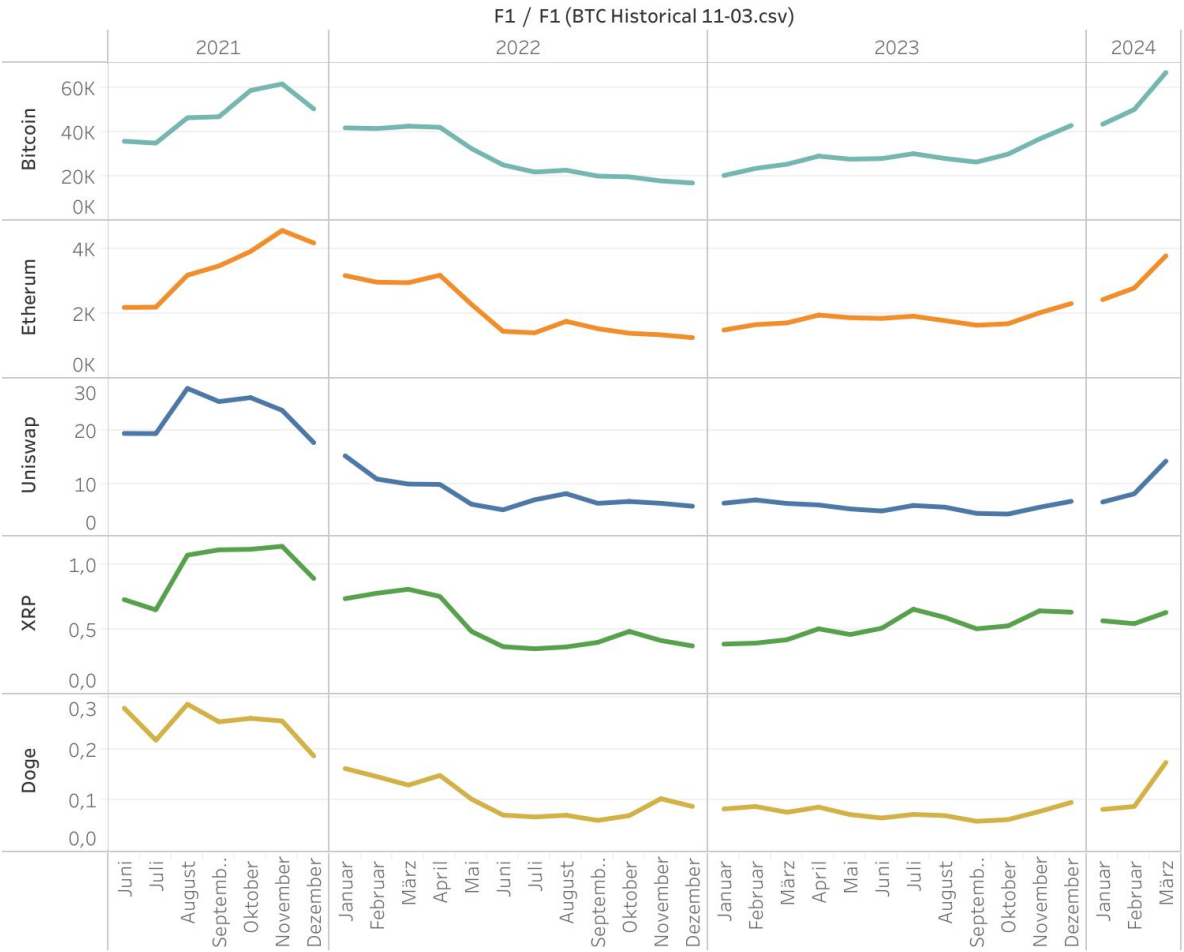


How does the value of crypto change?

Supply and Demand is the way the value of crypto changes. its mostly demand pulls as the demand shifts through media, global events, economic states etc.

How do the different cryptos transformation compare with one another

Comparing all 5 Currencies



Overview

My Investigation on the prices of Ethereum, Bitcoin, XRP, Uniswap and Doge coin

01



Data Collection through the Alphanvantage API and then cleaning the Data

Processing the Data and then Investigating the Data through SQL queries and investigating the patterns within the Data



02

03



Using Machine learning to create models to predict how the Value of the currencies is going to develop using Time Series.

Visualizing the Data and comparing the prediction with the real data.



04

TABLEAU

Predictions

Bitcoin:

	Highest Price (USD)	Lowest Price (USD)
2024-03-12	71999.849356	68756.582382

Ethereum:

	Highest Price (USD)	Lowest Price (USD)
2024-03-12	3923.073336	3678.958977

Dogecoin:

	Highest Price (USD)	Lowest Price (USD)
2024-03-12	0.179186	0.162705

UniSwap:

	Highest Price (USD)	Lowest Price (USD)
2024-03-12	14.94	13.41

XRP:

	Highest Price (USD)	Lowest Price (USD)
2024-03-12	0.617176	0.580944

Real Result

Date

Highest Price

Lowest Price

Bitcoin:

2024-03-12

73000

68620.82

Ethereum:

2024-03-12

4093.92

3828.98

Dogecoin:

2024-03-12

0.18

0.15

UniSwap:

2024-03-12

14.57

13.02

XRP:

2024-03-12

0.73

0.66

Conclusion

	Real		Prediction	
	High	Low	High	Low
BTC:	73000	68620.82	71999.849356	68756.582382
ETH:	4093.92	3828.98	3923.073336	3678.958977
DOGE:	0.18	0.15	0.179186	0.162705
UNI:	14.57	13.02	14.94	13.41
XRP:	0.73	0.66	0.617176	0.580944

Work Cited

Works Cited

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