

The Graph

Curve Finance (DeFi)

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Introduction

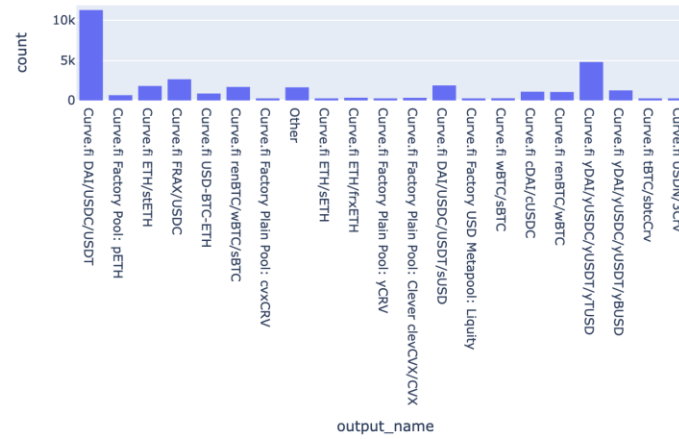
- Curve Finance is a decentralized exchange
- Subgraph – Curve Finance Ethereum by Messari
- Main things I have focused on,
 - Analyzing market trend
 - Identifying market manipulation
 - Relation between input and output tokens
 - Distribution of Input and Output tokens
 - Understanding the swap tokens

Insights

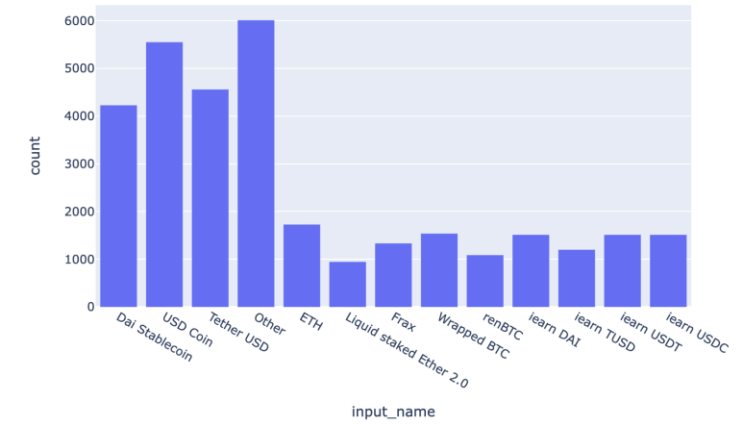
- Looking at the market trend, we can also see the increase in payroll that the traders have paid daily
- There is a chance that a lot of market manipulation is taking place and we can say that by looking at the amount involved
- USD Coin, ETH, and Tether coin are the three mainly used input tokens to buy others
- Curve.fi DAI/USDC/USDT is the highest bought output token
- Most of the swaps are successful
- USD Coin and Tether USD are the two tokens that occur together as inputs

Other Plots

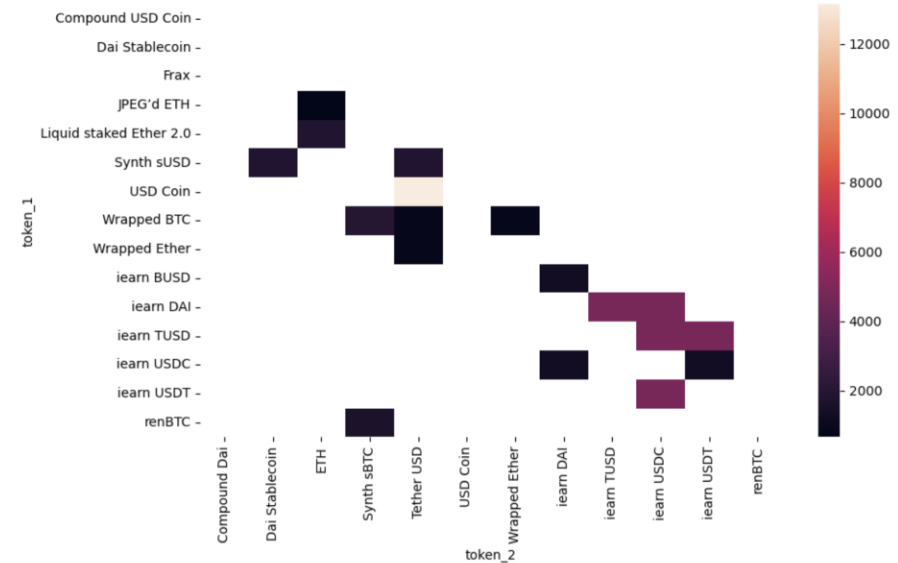
Output tokens distribution



Input tokens distribution



Number of cryptocurrencies that occurred together



Future Work

WORK MORE CLOSELY
ON MARKET
MANIPULATION

INDEPTH KNOWLEDGE
OF DEFI AND BLOCK
CHAIN FOR BETTER
ANALYSIS

HOST THE SYSTEM ON
ARWEAVE

Resources

- **Ricky Esclapon**
- <https://shiny.rstudio.com/py/docs/>
- <https://txstreet.com/v/eth-btc>
- https://dune.com/mrblock_buidl/Curve.fi
- <https://www.coinbase.com/learn/crypto-basics/what-is-defi>
- <https://thegraph.com/explorer/subgraphs/GAGwGKc4ArNKKq9eFTcwgd1UGymvqhTier9Npqo1YvZB?view=Playground&chain=mainnet>

Thank You

