

ANONYMIZED SOCIAL PROFILE FROM BLOCKCHAIN TRANSACTIONS

**DAYITVA GOEL (2019101005)
SHAURYA DEWAN (2019101017)
JAYANT PANWAR (2019114013)
HARSHWARDHAN PRASAD (2019102021)
RISHIN CHAKRABORTY (2019112008)
PARYUL JAIN (20171083)**

**COMPUTATIONAL SOCIAL
SCIENCE**

PROJECT **IDEA**



GENERATE DATASET FROM BLOCKCHAIN TRANSACTIONS



INFER / BUILD SOCIAL PROFILES



CONDUCT SURVEY/INTERVIEWS TO CROSS-CHECK RESULTS



CONSTRUCT SOCIAL GRAPH (IF TIME PERMITS)

PROGRESS **SO FAR**



COLLECTED DATA FOR TOP 100 SMART CONTRACTS



COLLECTED USERS FOR TOP 15 CONTRACTS (10 + 5)



COLLECTED TRANSACTION HISTORY OF ABOVE USERS



PERFORMED PRELIMINARY ANALYSIS OF COLLECTED DATA

DeFi NFTs

- Overview
- Chains
- Oracles
- Forks
- Portfolio
- Airdrops
- Categories
- Recent
- Comparison
- Languages
- Top Protocols
- Chainlist NEW
- About












TVL Rankings

All

Ethereum














Terra

Name

- 1  Curve (CRV)
- 2  MakerDAO (MKR)
- 3  Convex Finance (CVX)
- 4  Uniswap (UNI)
- 5  AAVE (AAVE)
- 6  Compound (COMP)
- 7  Lido (LDO)
- 8  Instadapp (INST)
- 9  Yearn Finance (YFI)
- 10  SushiSwap (SUSHI)
- 11  Balancer (BAL)

#

NAME

- 1   Maker
- 2   Curve Finance
- 3   Convex Finance
- 4  Aave
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- 6  Compound
- 7  InstaDApp
- 8  yearn.finance
- 9  Balancer
- 10  Bancor

Marketplaces

District0x

Foundation

Gitcoin

Knownorigin

LocalCryptos

LooksRare

NFTKEY

OpenSea

Rarible

Superrare

Cancel My Api Plan

Home / My Api Keys / My Api-Key Stats

Sign Out

dayitvagoel

dayitvagoel@gmail.com

ACCOUNT

Account Overview

Account Settings

Etherscan Connect

WATCH LIST & NOTES

Watch List

Private Name Tags

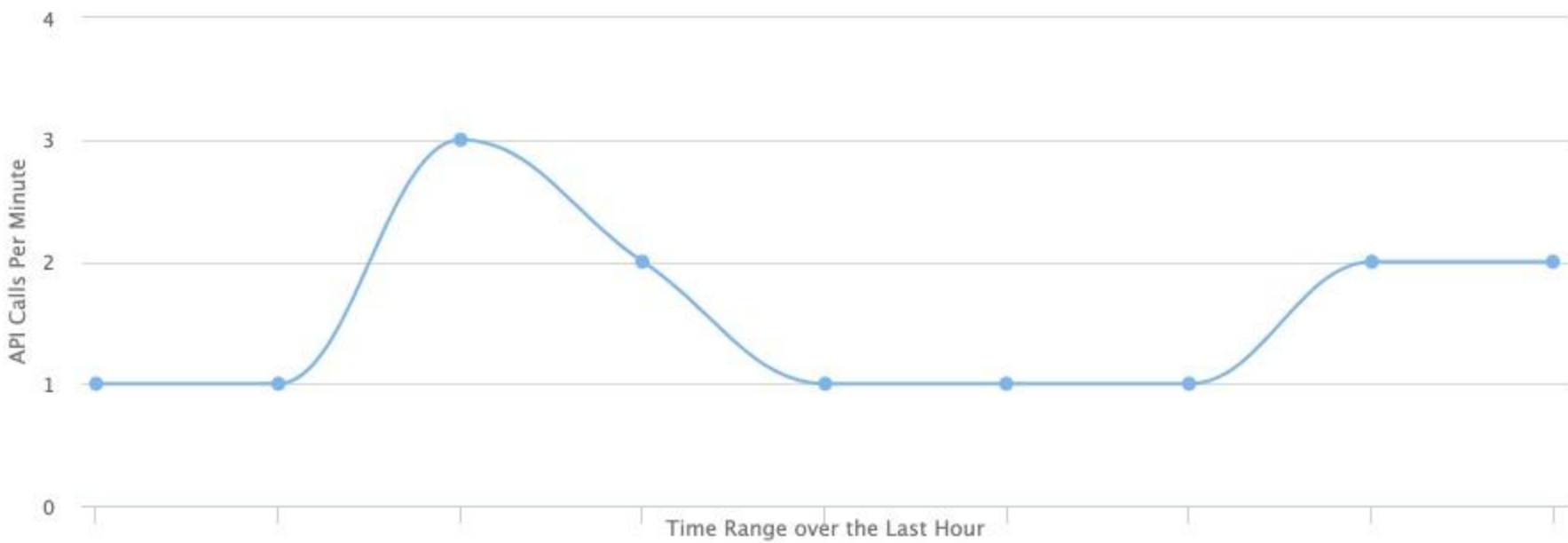
Txn Private Notes

OTHERS

My Api-Key Stats

Time Range: Last Hour

API STATISTICS (Last Hour)



The last 16 Calls made with the APIKey

Get a list of 'Normal' Transactions By Address

Returns the list of transactions performed by an address, with optional pagination.

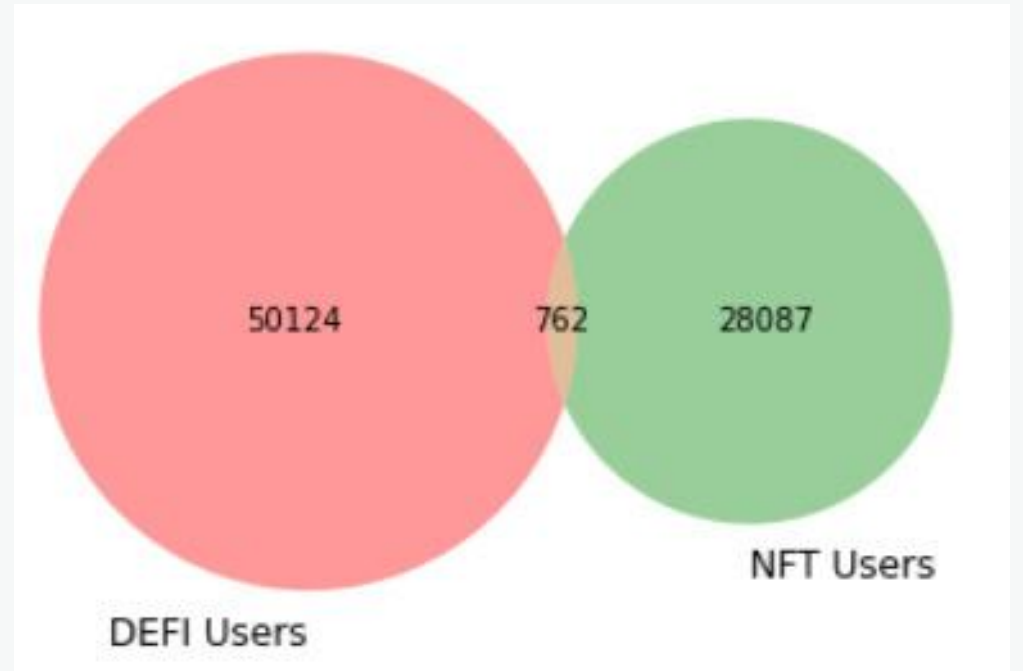
  **Note :** This API endpoint returns a maximum of **10000 records** only.

```
1 https://api.etherscan.io/api
2   ?module=account
3   &action=txlist
4   &address=0xddbd2b932c763ba5b1b7ae3b362eac3e8d40121a
5   &startblock=0
6   &endblock=99999999
7   &page=1
8   &offset=10
9   &sort=asc
10  &apikey=YourApiKeyToken
```

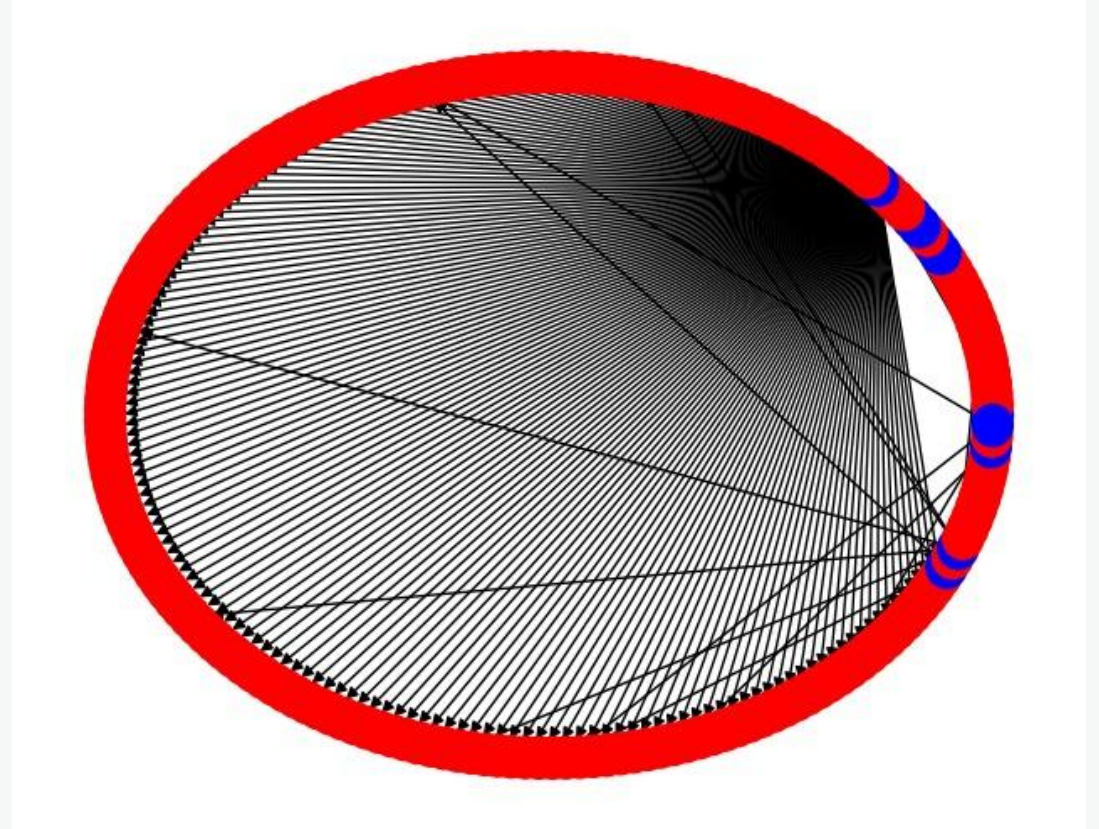
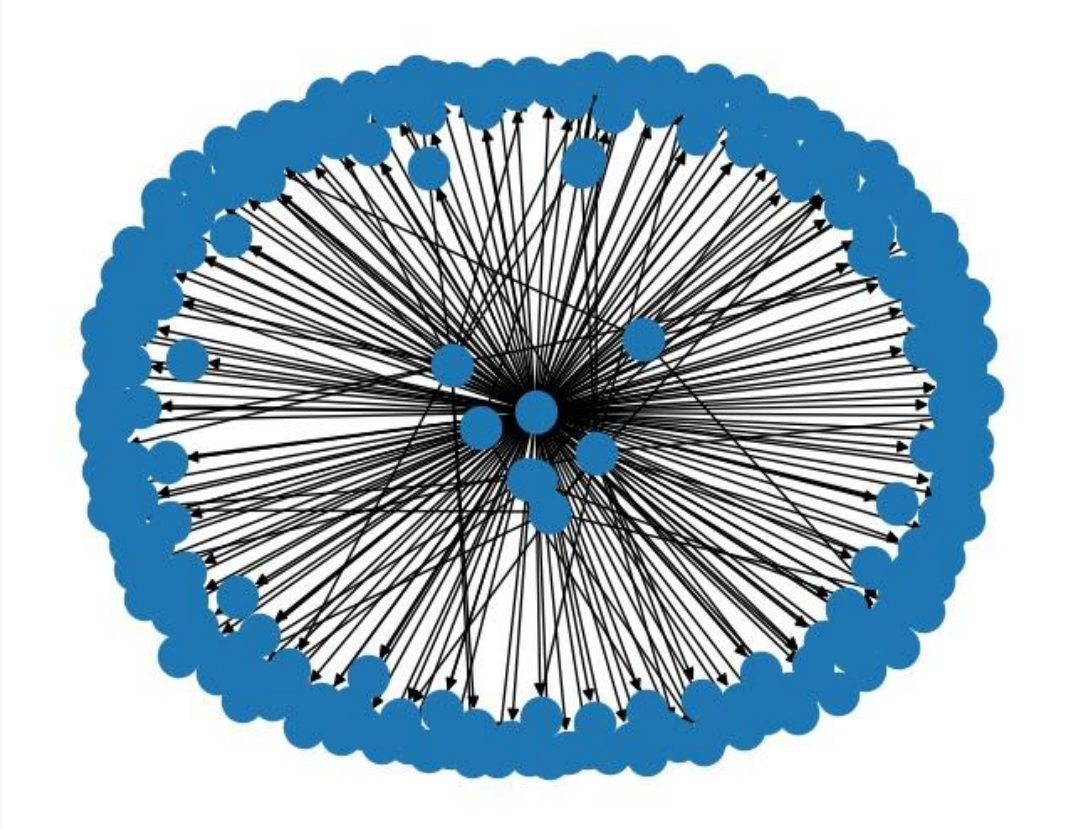


INITIAL ANALYSIS

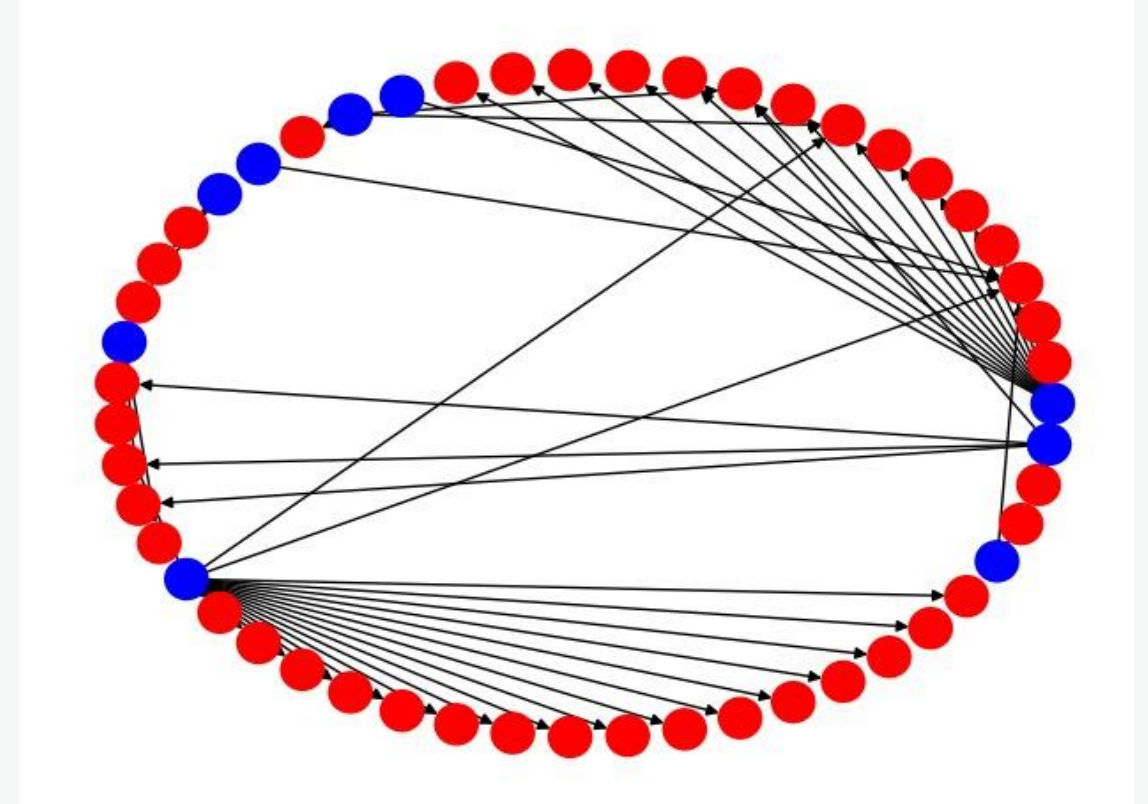
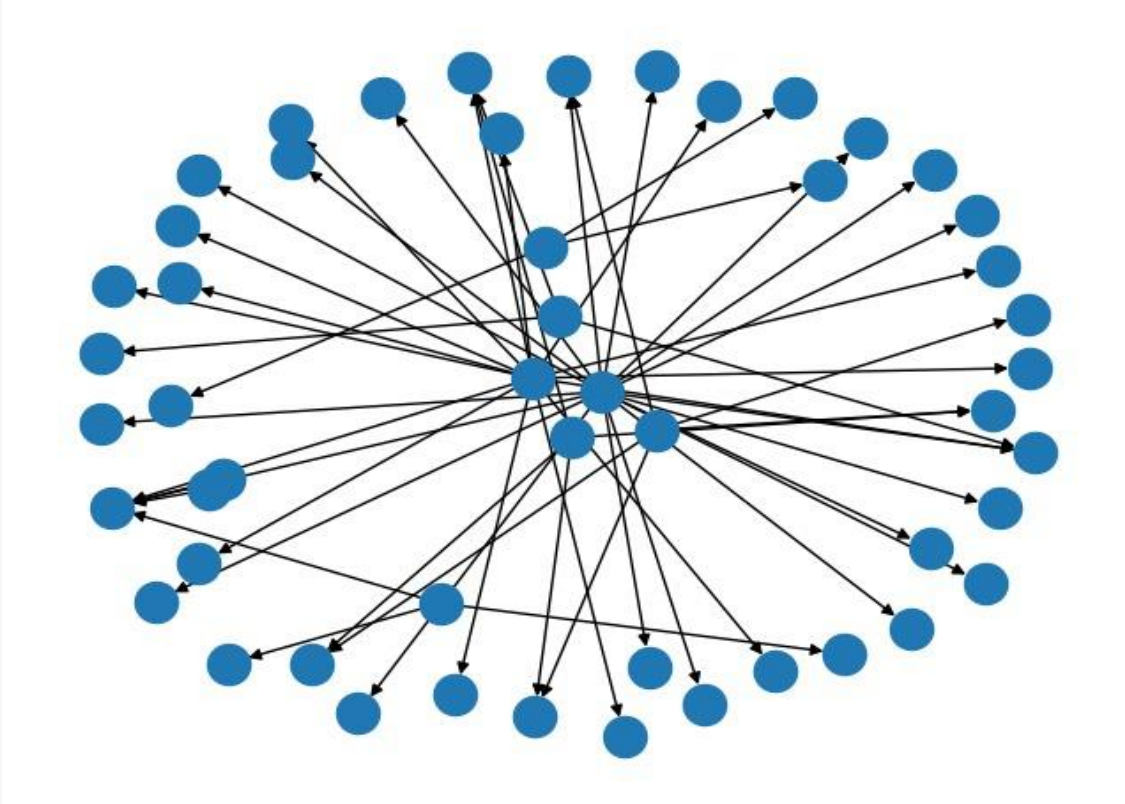
Label	Count
-----	-----
DEFI Unique Users	50124
NFT Unique Users	28087
Common Users	762
Total Unique Users	77449



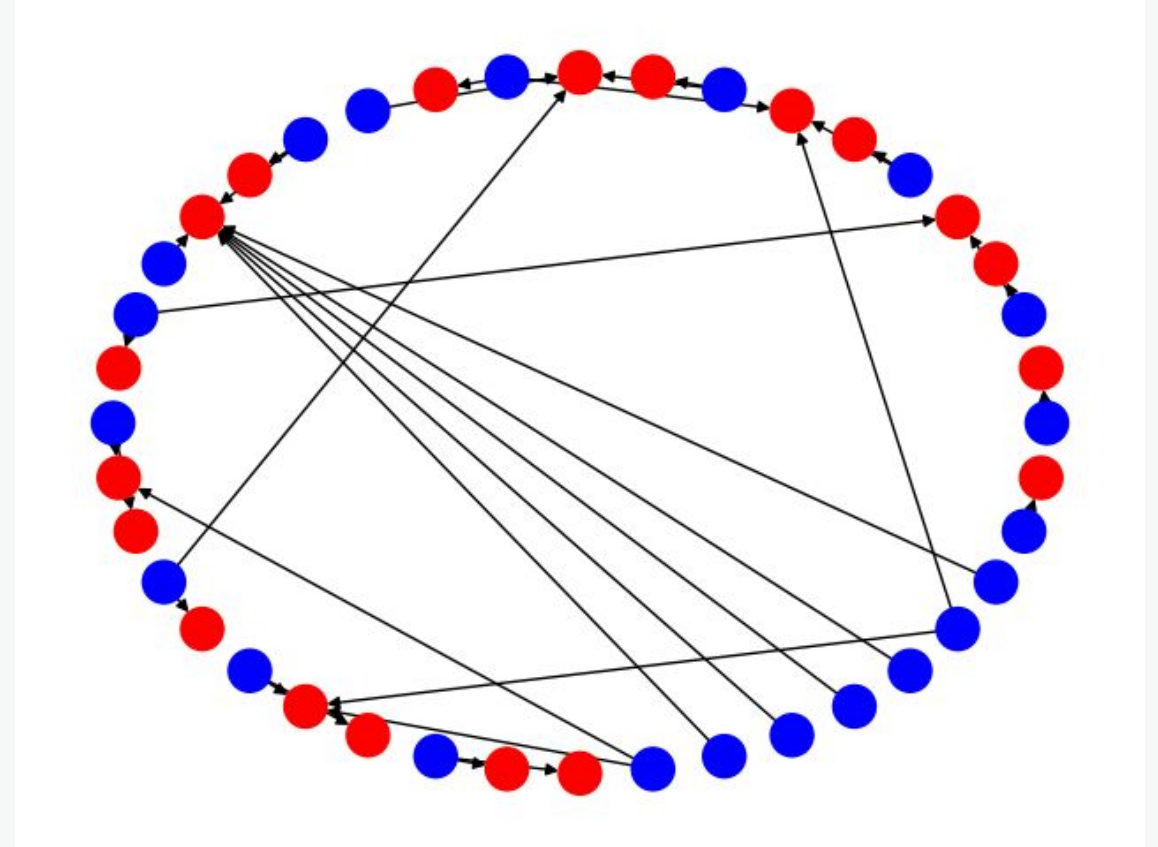
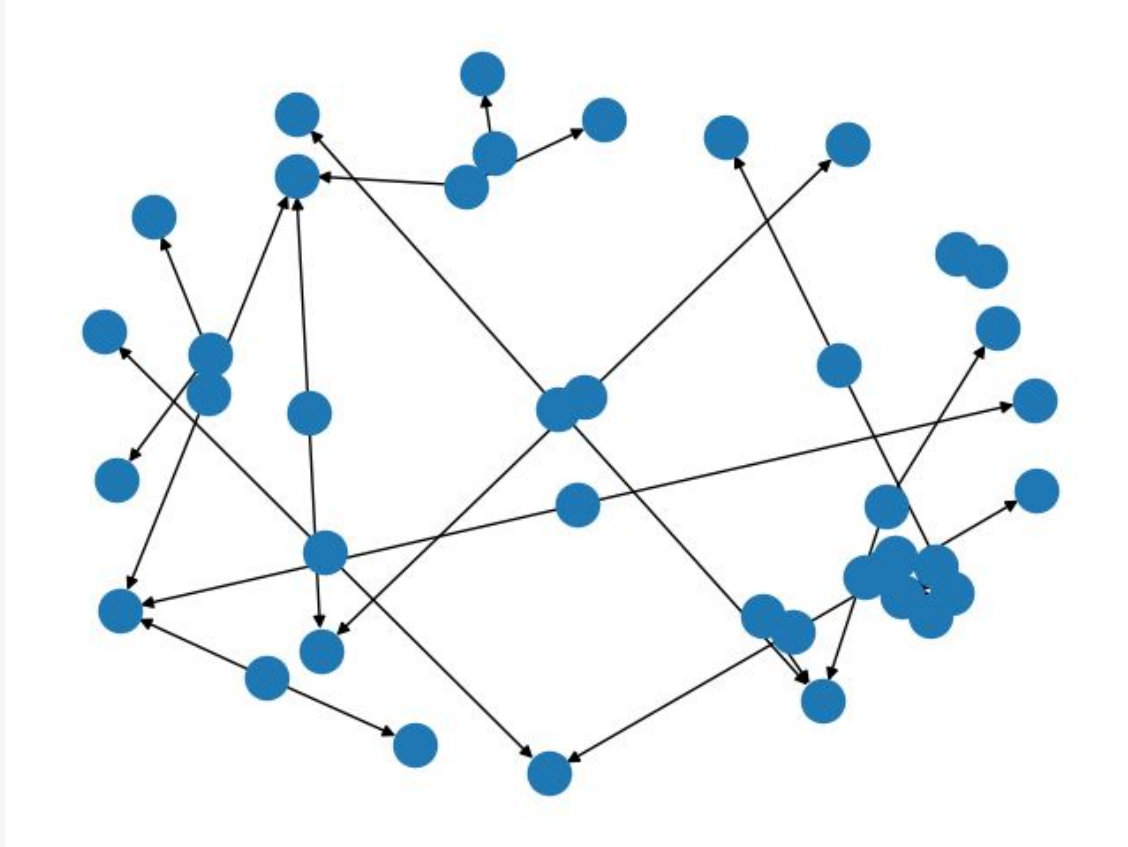
RANDOM IO NFT USERS



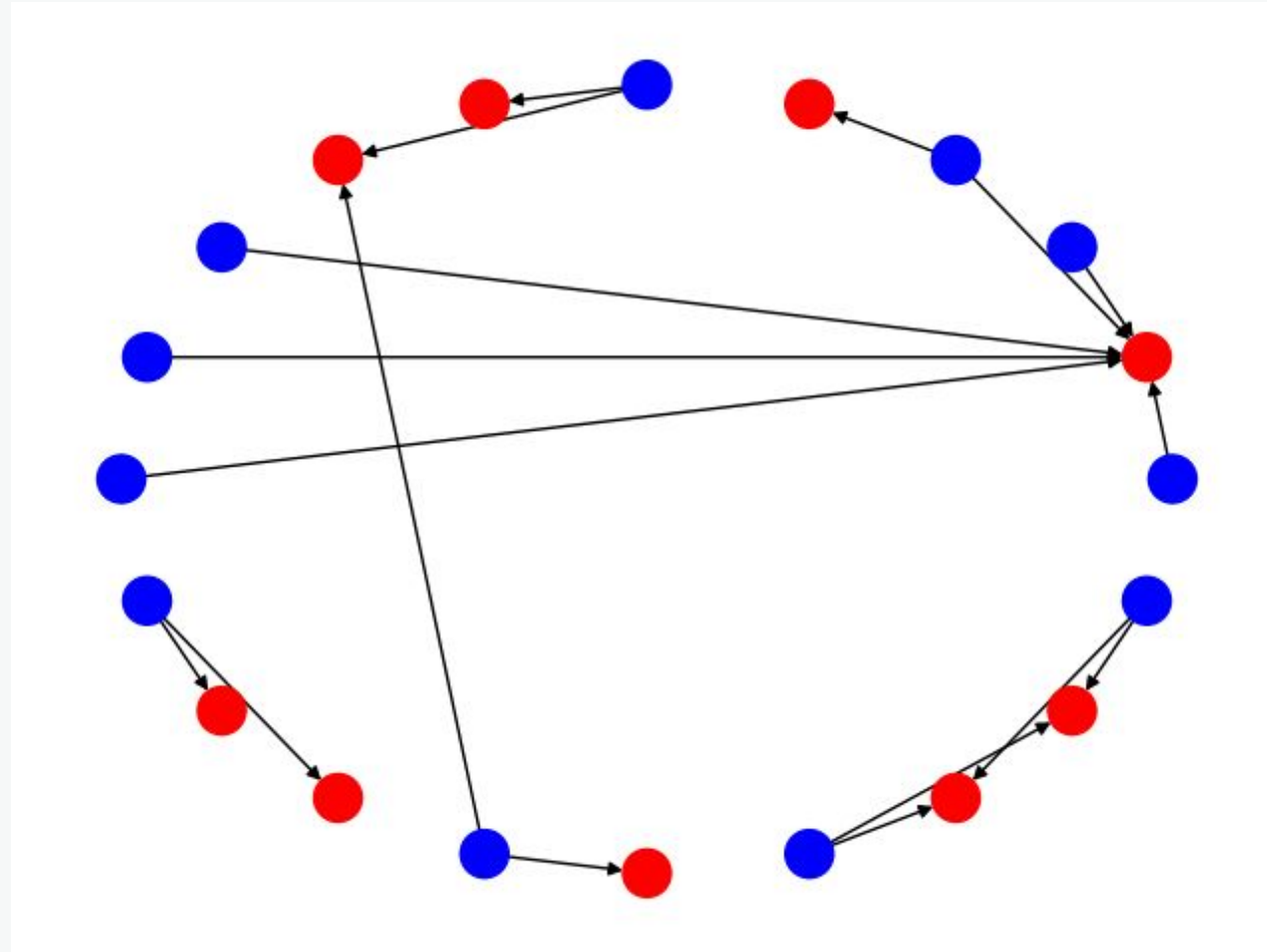
PARETO'S PRINCIPLE



RANDOM IO **DEFI** USERS



NETWORK ANALYSIS



TIMELINE

Period	Task
21/03 - 28/03	Complete data collection for top 100 smart contracts in DeFi and NFT space
29/03 - 05/04	Obtain statistics for all unique users and analyse to decide how to build a profile
06/04 - 13/04	Build user profiles using appropriate information from the extracted data
14/04 - 21/04	Cross check results through surveys and interviews
22/04 - 23/04	Buffer, if time permits some extra analysis via graph building



OPEN TO QUESTIONS

THANK YOU