Building the Defi Analytics Dashboard

To build a one stop shop for exploring and analyzing various Defi Protocols.

First Step:

1. Collect data from Defi Llama using its API and for each category of protocol evaluating the top 20 emerging ones

The output looks like Defillama.csv

1. Use the data from the list and pass the token name to Token Terminal and Coingecko to build a Master list that would be updated daily

The output from Token Terminal – is a time series spreadsheet where for every token the API throws a dataframe which captures historical data for over 23+ parameters like histotical TVL, protocol revenue and so.

The output looks as follows TimeSeries\_pertoken.csv

1. Further Coingecko – offers data around security and social metrics essential to evaluate a protocol – this would need be scraped ideally using Selenium and by passing the coingecko code from the Defillama.csv
2. From here two outputs are expected
3. Master sheet which has all the protocols listed on the rows and columns contain parameters listed below. Refer Annex 1
4. For each of the token the time series data is stored in the Dictionary, which can be extracted later to create graphs. See output tokenterminal\_dict

Both the outputs would be in google spreadsheet which is refreshed.

Annex 1. The following parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Prepare a google spreadsheet with the following data for others to view as well and visualize | |  |
|  |  |  | Params |  |
|  |  | Token Name |  |  |
|  |  | Top 20 Protocols for every category |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  | The Parameters are below |  |  |
|  |  |  |  |  |
| Basic | 1 | Category | Lending / etc. from Deifllama |  |
| 2 | Description | From Defillama |  |
| 3 | Link | From Defillama |  |
| 4 | Token Available | (Y / N - refer out put from Defillama sheet to check CoinGecko Id) |  |
| Price / Volume | 5 | Coin / Token Price (In US$) | From Token Terminal |  |
| 6 | 1d Change in Coin Price | From Token Terminal |  |
| 7 | 7d Change in Coin Price | From Token Terminal |  |
| 8 | Volume Latest | From Token Terminal |  |
| 9 | 1d Change in Volume | From Token Terminal |  |
| 10 | 7d Change in Volume | From Token Terminal |  |
| Mkt. Cap Metrics | 11 | Mkt. Cap (In US mm) | From Token Terminal |  |
| 12 | Mkt. Cap (Circulating) | From Token Terminal |  |
| 13 | Mkt. Cap (Diluted) | From Token Terminal |  |
| TVL | 14 | TVL (In US mm) | From Token Terminal | If not available - use from Defillama |
| 15 | Chains On | From Defillama |  |
| 16 | 1d Change in TVL | From Token Terminal | If not available - use from Defillama |
| 17 | 7d Change in TVL | From Token Terminal | If not available - use from Defillama |
| 18 | Mkt Cap. / TVL | Calculated -> Column 7 / 13 |  |
| Revenue | 19 | Total Revenue | From Token Terminal |  |
| 20 | Supply Revenue |  |  |
| 21 | Protocol Revenue | From Token Terminal |  |
| 22 | Mkt. Cap / Protocol Revenue | Calculated -> Column 11 / 20 |  |
| Security and Audit | 23 | Audited | From Defillama |  |
| 24 | Audit Report Link | From Defillama |  |
| 25 | Security Score | From Coingecko |  |
| 26 | Security Score Date | From Coingecko |  |
| 27 | Link to Security Report | From Coingecko |  |
| Social Metrics | 28 | Twitter Link | From Coingecko | https://www.coingecko.com/en/coins/compound#social |
| 29 | Twitter Followers | From Coingecko |  |
| 30 | Reddit Link | From Coingecko |  |
| 31 | Reddit Subscribers | From Coingecko |  |
| 32 | Telegram Link | From Coingecko |  |
| 33 | Telegram Users | From Coingecko |  |
| 34 | Github Link | From Coingecko | https://www.coingecko.com/en/coins/compound#developer |
| 35 | Github Forks | From Coingecko |  |
| 36 | Github Stars | From Coingecko |  |