

Understanding DeFi user behaviour Mission Brief

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Category: DeFi

Buyers: The initial buyers are expected to be investors (crypto &/or Web3 VC) who would be interested in this dataset and the models that could run on it.

Use Case: There's a lot of information available around the key metrics for DeFi like TLV, APY and so on but what's less well understood is the behavioural patterns taking place within certain DeFi protocols (and within DeFi more broadly).

How does a DeFi whale's activity compare across different protocols? How does the movements of a Whale's wallet impact smaller wallets and are there things going on that could benefit the DeFi community if exposed to a broader audience (e.g. fraudulent activity etc)?

These are some of the questions we want to unpack on this Mission and provide the dataset that will enable it to happen.

Additional Notes: Using the [Etherscan API](#) you can look at the [Uniswap Smart Contract](#).

Using the smart contract's [ABI](#) (very similar to an API but for smart contracts) you can retrieve function calls hitting the Uniswap smart contract. This information includes the wallet addresses interacting with the Uniswap smart contract and the types of interactions taking place.

With this information we can calculate the relative size of an account interacting with the smart contract e.g. how much crypto does the wallet have, are they a whale etc?

We can also look backwards to see the transactions which took place prior to interacting with Uniswap's smart contract (e.g. where are the funds coming from? Are they coming off exchanges, are the biggest account holders colluding in some way?), we can even see what happens to the funds after they have completed an action with the Uniswap smart contract (what do people do with their funds after transacting with Uniswap?).

These are the types of questions that we would like to explore and the potential signals we could build but creating the initial data asset is the first step in enabling this.

We could also partner with [Data-Union](#) to build a DeFi focussed data union around this use case and team up with the data scientists from [Algovera](#) to build out models/signals on top of it.

