**Pre-work**

* Setup guidelines for data do & donts for the platform
* Proposed database and gatherings setup.

**Data to gather (this scope of work)**

1. Perpetual futures
2. Delivery futures
3. Coin related data
4. Farming/Staking data
5. Lending data

**1-2).** [**[demo scripts available]**](https://github.com/montemurroPaolo/CryptoDashboard/tree/main/cryptotrade/apps/data)   
Exchanges: Binance, Huobi, Okex, Deribit, Kucoin, FTX, Bybit, Bitmex, Gate.io  
Updates: the more frequent, the better. Goal: 1 minute.

Type of instruments:

1. Perpetual futures USDT
2. Perpetual futures COIN
3. Delivery futures USDT
4. Delivery futures COIN

Needed columns perpetual futures (both USDT and COIN)

**Ticker, Next funding rate, premium, timestamp funding,** next next funding rate

Columns delivery futures (both USDT and coin)

**Ticker, Premium, delivery date**, …

* Do not drop additional data, but create new columns in case
* Not all the data requested always come from the API call. In certain case, two calls are requested (one for prices, and the other for funding rates).
* Create a convention and keep it for the colnames of relevant columns
* For delivery futures, do not hardcode the delivery date (but first check the delivery futures traded, and then download their data).
* Make sure the download is almost instant (no complex scraping allowed)

**3) Get data on all coins on Coingecko:** [[demo working script available]](https://github.com/montemurroPaolo/CopytradingBinance/blob/main/Not_used/download%20data%20coins.ipynb)  
Suggestion: get all from one script, and save only what’s needed..

Script should be easy to modify if I want to download something more…

**Fast changing:**

* Price
* Volume

**Medium changing:**

* Social activity
* Google trends
* Holders

**Slow changing**

* Project informations (contract, social networks, …)

**4). Get data about farms and pools:**Goal: 1 min refresh

- <https://pancakeswap.finance/pools>

- <https://app.sushi.com/farm>

- <https://home.babyswap.finance/farms>

- <https://quickswap.exchange/> (all 3 tabs below farms)

- Pangolin

**5). Get data on Bitfinex and Gate.io lending rates**[**. [demo working script available]**](https://github.com/tigercosmos/helon_test)- If possible, download also orderbook