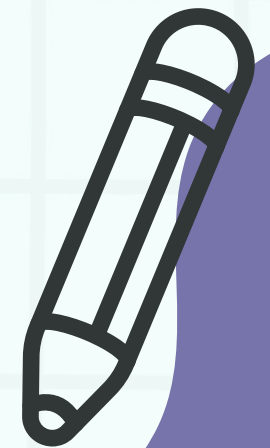
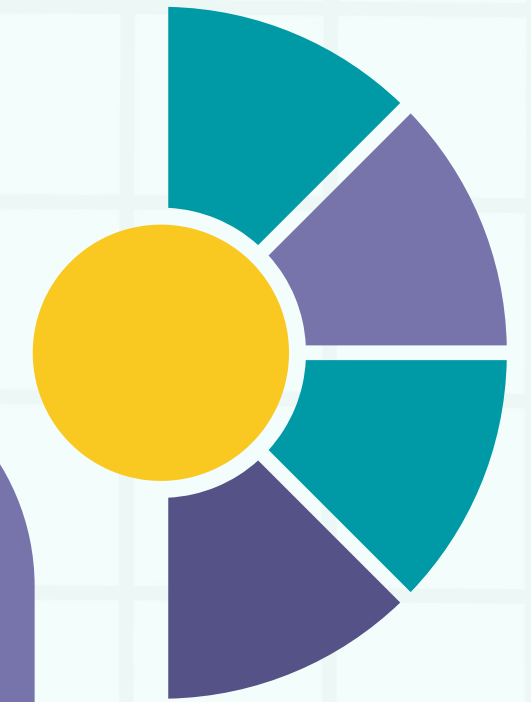
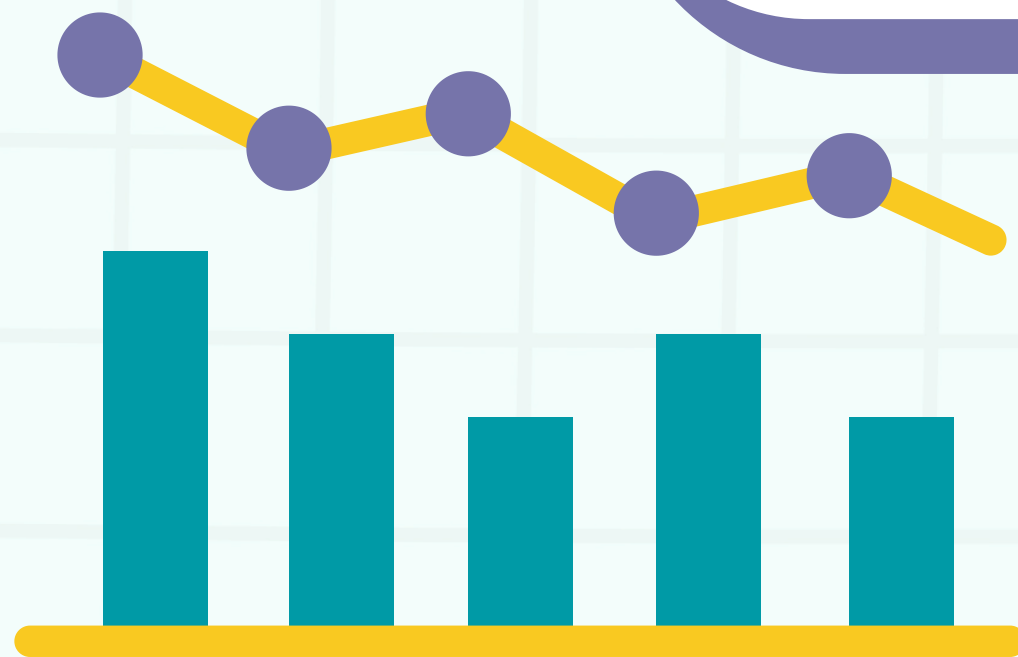


Token Dashboard



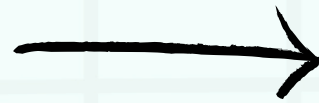


PROJECT OVERVIEW



A.

Extract Data



Extract Data From Coingecko API

B.

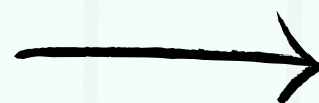
Transform Data



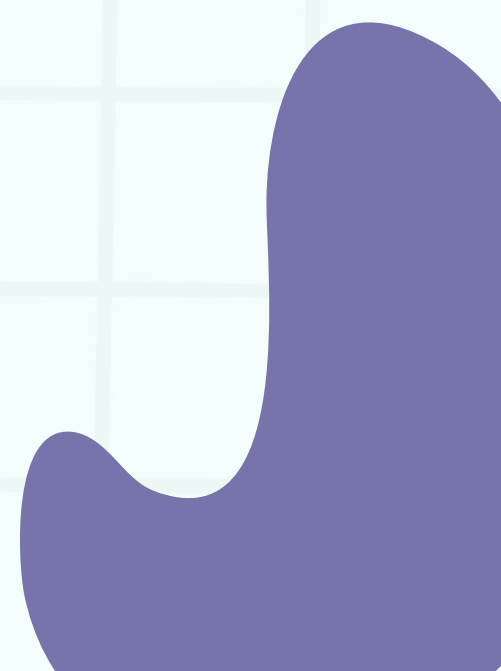

Cleaning and Enrich Dataset

C.

Load Data



Upload to BigQuery for analysis in the dashboard



EXTRACT

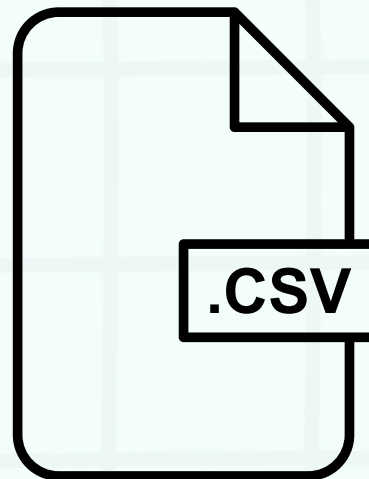
1

Fetching the top 20
cryptocurrency data
from the CoinGecko API



2

Saving raw data to file:
./data/raw_crypto.csv



3

Returns a DataFrame
containing the latest
market data



Params

- vs_currency: 'usd'
- order: 'market_cap_desc'
- per_page: 20
- page: 1
- sparkline: False



TRANSFORM

Cleaning

- Drop irrelevant columns
- Handle missing value
- Date conversion

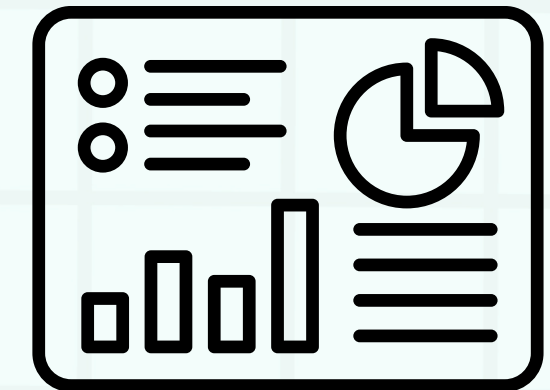
&

Enrichment

- ath_diff: The price difference between ATH and the current price
- ath_gap_pct: Percentage difference to ATH
- vol_to_market_cap: Volume to market cap ratio
- cap_category: Market cap category (Small, Mid, Large)
- change_direction: Direction of the price change in the last 24 hours
- ath_status: Status "close"/"far" from ATH

Google Cloud credentials are loaded to access the BigQuery table.

LOAD DATA



The latest crypto data is now available in BigQuery and instantly ready for reporting or visualization



The cleaned and enriched data is ready as a Pandas DataFrame.

