# PRI Project - M1 Cryptocurrencies

João Matos, up201703884
Rui Pinto, up201806441
Tiago Gomes, up201806658

# DAtaset Description

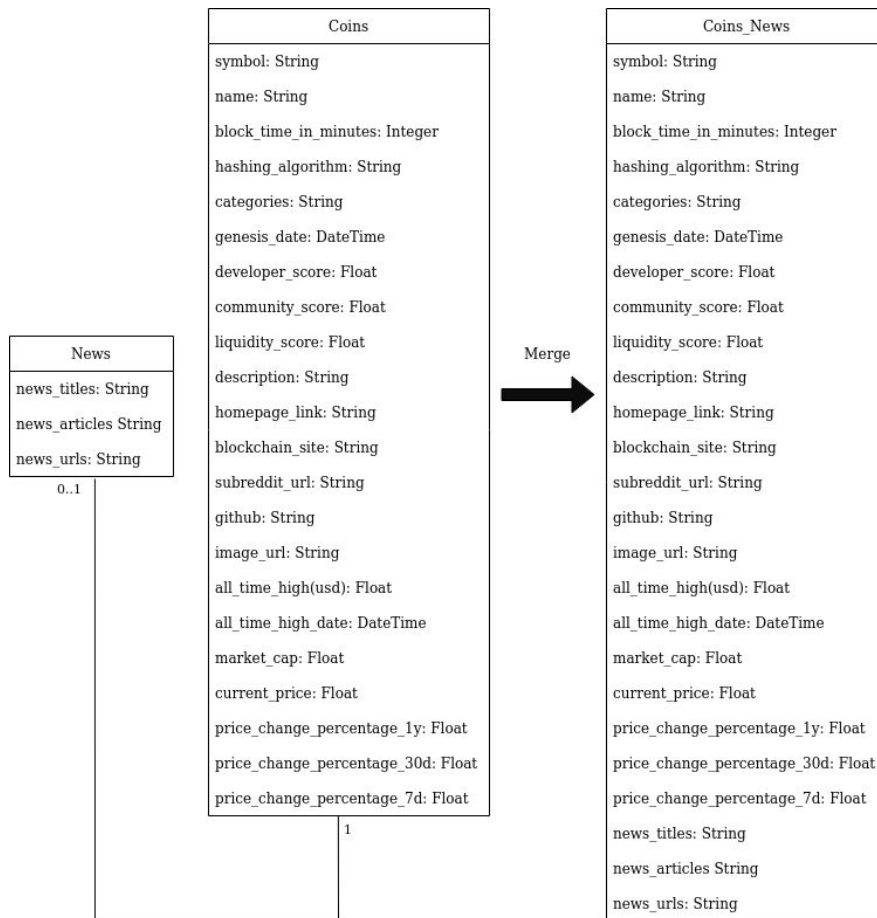**Theme:**

– Cryptocurrencies

**Sources:**

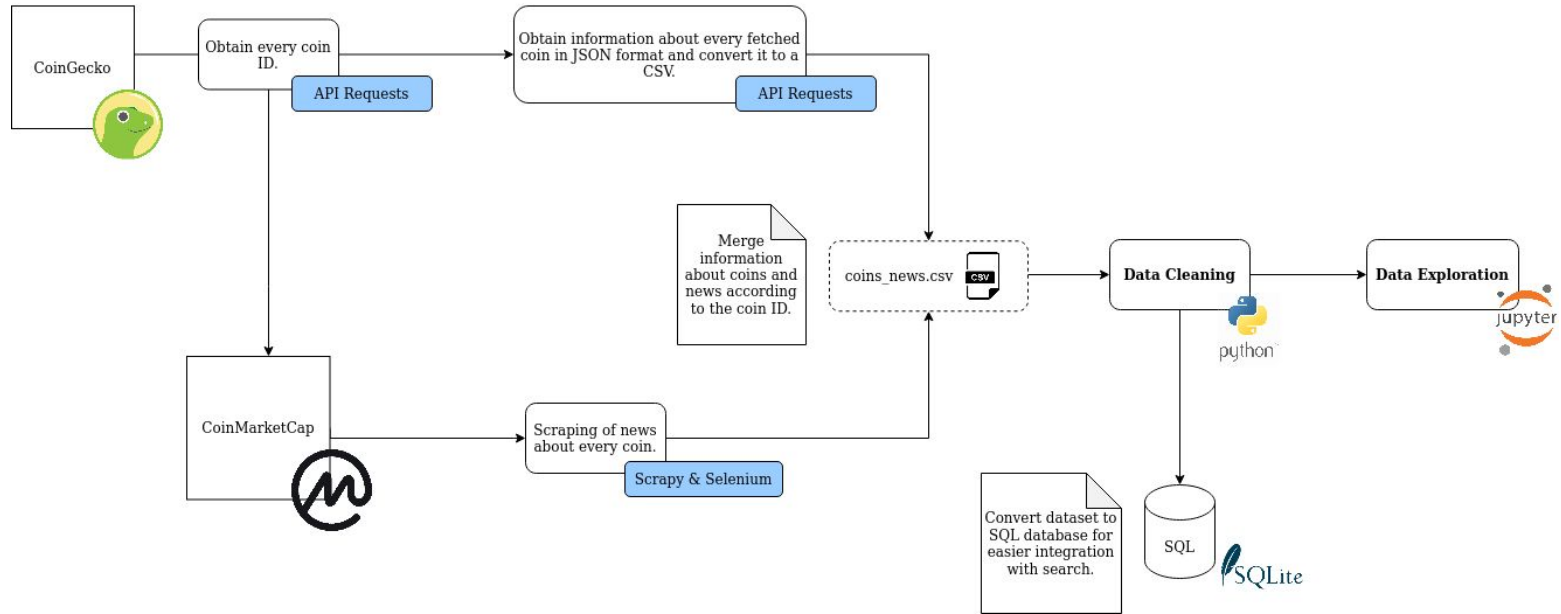– API Requests: CoinGecko
– Scraping: CoinMarketCap

**Final Dataset:**

– 9575 lines
– 24 columns
– 9 MB

**Coins**

symbol: String

name: String

block_time_in_minutes: Integer

hashing_algorithm: String

categories: String

genesis_date: DateTime

developer_score: Float

community_score: Float

liquidity_score: Float

description: String

homepage_link: String

blockchain_site: String

subreddit_url: String

github: String

image_url: String

all_time_high(usd): Float

all_time_high_date: DateTime

market_cap: Float

current_price: Float

price_change_percentage_1y: Float

price_change_percentage_30d: Float

price_change_percentage_7d: Float

**News**

news_titles: String

news_articles String

news_urls: String

0..1

1

Merge

**Coins_News**

symbol: String

name: String

block_time_in_minutes: Integer

hashing_algorithm: String

categories: String

genesis_date: DateTime

developer_score: Float

community_score: Float

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description: String

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market_cap: Float

current_price: Float

price_change_percentage_1y: Float

price_change_percentage_30d: Float

price_change_percentage_7d: Float

news_titles: String

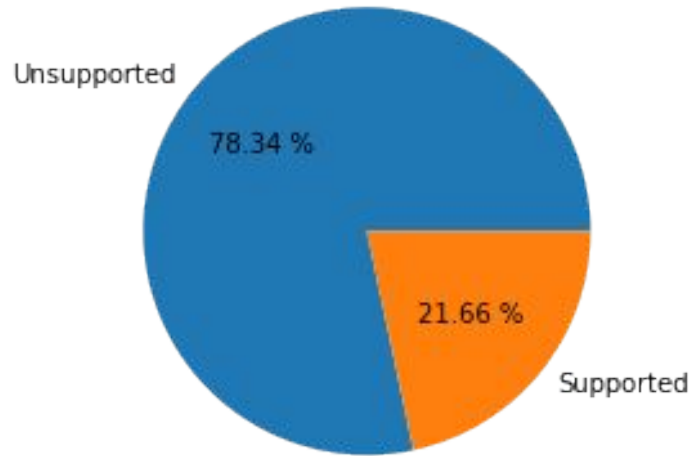news_articles String

news_urls: String
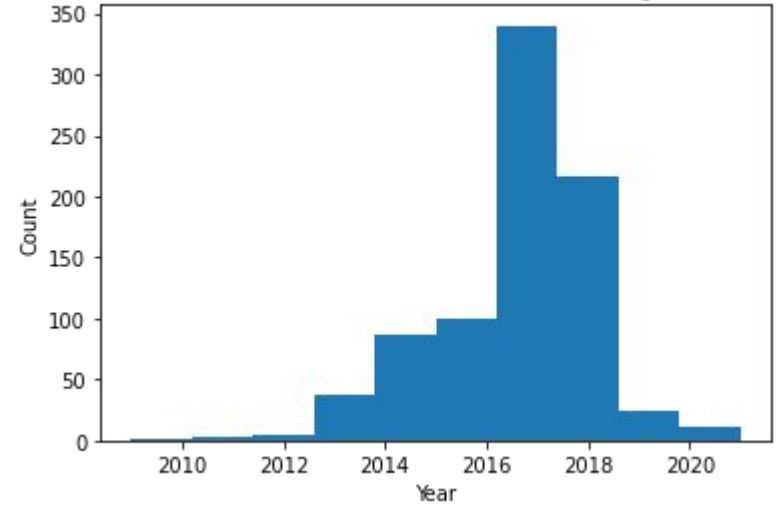
# Pipeline Dataflow
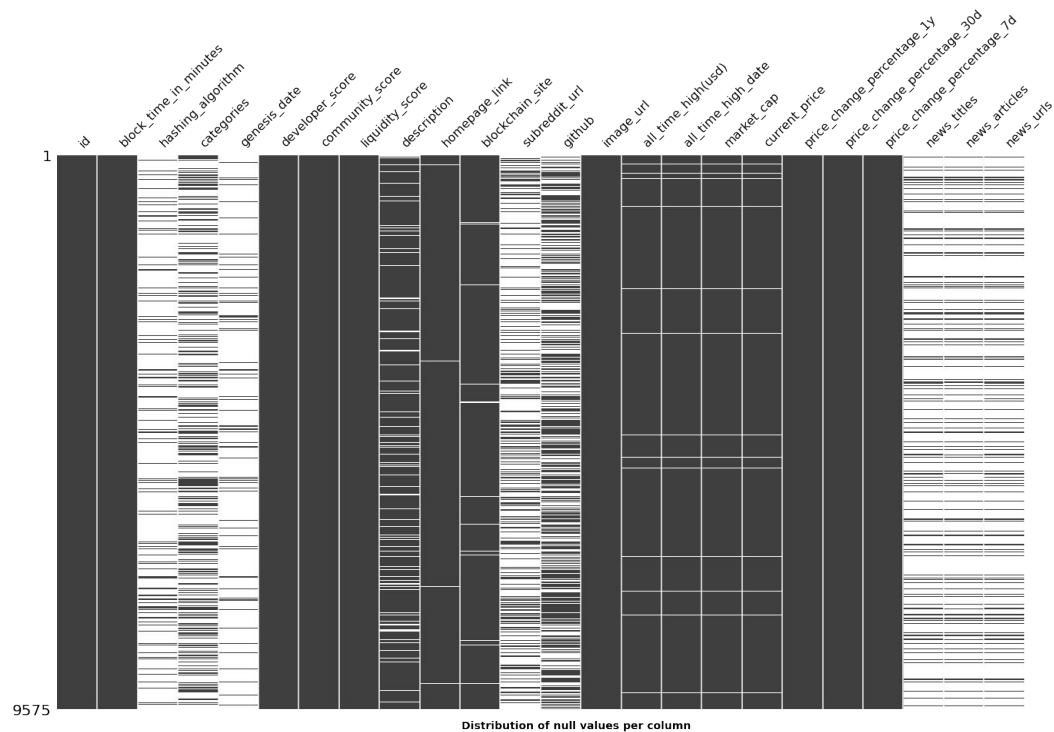
## Data Collection

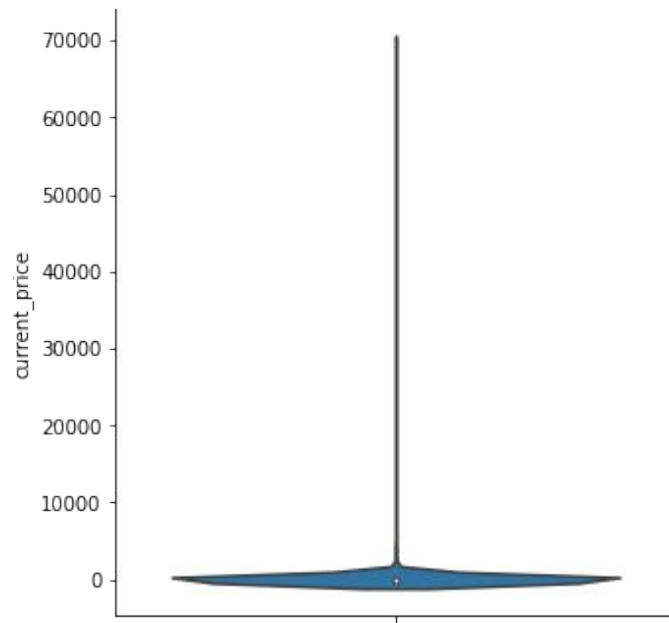# Data Characterization



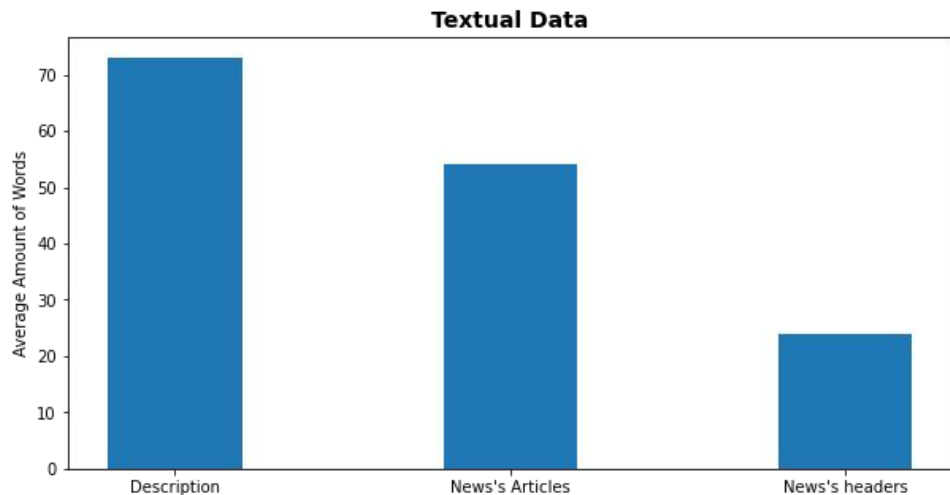Developer Support



Distribution of coin's creation year

# DATA CHARACTERIZATION (CONT.)
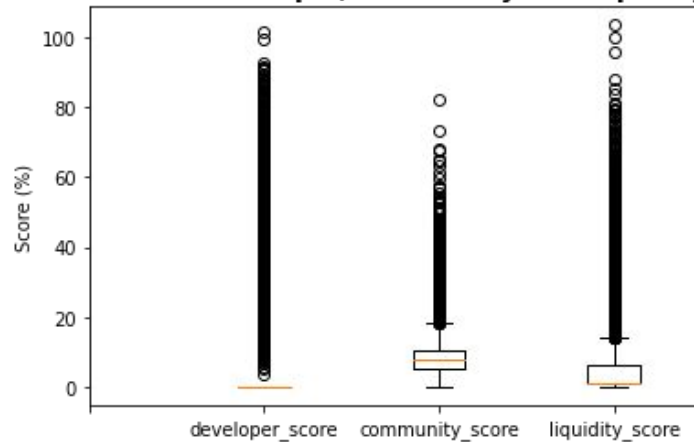


Distribution of null values per column



Distribution of Current Price

# Data Characterization (cont.)



Textual Data



Distribution of developer, community and liquidity scores

# Possible Searches for M2

- Fast mining coins that were created a few years ago and have a price higher than 10.000$.

- Coins whose price went down and were completely abandoned by its developers.

- Coins with a price spike in the last month that have high liquidity.

- News related to China's strong restrictions regarding Bitcoin mining.

- News and Tokens of Blockchain-based games based on NFTs.

- Crypto Fan Tokens related to Football clubs.

# Thank you!

# Questions?