News source
- the historical data cannot train features that are special in the first page, in the future, need to crawl live news, so news have front page features to train. Therefore, in the first step, train the model based on the article content, in the second step, improve the model training by using features that are from the front page.
- Yahoo
  - starting page: https://finance.yahoo.com/cryptocurrencies
  - crawling strategy: only the starting page, since all news will appear when scrolling down
  - data size: from 2018-03-01 00:00:00 to 2018-09-15 00:00:00, all time are in UTC in this project
  - Column names in csv:
    - Channel (int): Is "Editor's Pick" [1] or "News" [0]? Allow multiple channels for one news
    - Source (string): such as Yahoo Finance Video
    - Title (string)
    - Summary (string)
    - HasVideo (boolean): 0 or 1
    - DateTime (string): 1. get DateTime in format: 2018-09-25T05:53:31.000Z 2. figure out the time zone used in the website and convert to UTC
    - PicNum (int): how many pictures in the news content page, not including elsewhere on the news content page, such as the side bar or AD.
    - URLNum (int): same as above
    - Text (string): the news content, with URL title (do not need the real link), formatting as: text1 ???url title??? text2
- Bitcoin
  - starting page: https://news.bitcoin.com/
  - crawling strategy: from page 1 to next page until data size reaches
  - data size: from 2018-03-01 00:00:00 to 2018-09-15 00:00:00, all time are in UTC in this project
  - Column names in csv:
    - Channel (int): latest articles, most popular, press releases, in case you missed it, the daily, exchanges, in case you missed it. Allow multiple channels for one news.
    - Source (string): such as Yahoo Finance Video
    - Title (string)
    - Summary (string)
    - HasVideo (boolean): 0 or 1
    - DateTime (string): 1. figure out the time zone used in the website and convert to UTC 2. get DateTime in format: 2018-09-25T05:53:31.000Z
    - PicNum (int): how many pictures in the news content page, not including elsewhere on the news content page, such as the side bar or AD.
    - URLNum (int): same as above

- **Text (string):** the news content, with URL title (do not need the real link), formatting as: text1 ???url title??? text2

● Yahoo illustration:

- The day's reversal saw Monero's XMR continue Retracement Level, leaving the extended bearisl

How to Buy Monero's XMR

Monero's XMR Price Support

Editor's Pick | Yahoo Finance Video • 15 hours ago

Coinbase announces new coin listing policy

Digital currency exchange Coinbase announcing a new process that will allow it to rapidly list new coins with less advanced notice. Coinbase says the policy "will allow us to rapidly list mo...

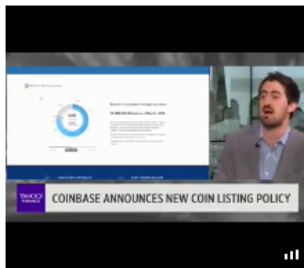Coinbase announces new coin listing policy
Yahoo Finance Video

Coinbase will add cryptocurrencies more rapidly, with ratings and reviews
Yahoo Finance

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News That Will Boost Your Investment In Lithium

Lithium continues to be the top choice for investors and analysts alike. Stay focused and on top of the news for this sector by clicking here.

Editor's Pick Yahoo Finance • 15 hours ago

Coinbase will add cryptocurrencies more rapidly, with ratings and reviews

Coinbase is overhauling its process for adding new cryptocurrencies to its exchange.

Coinbase will add cryptocurrencies more rapidly, with ratings and reviews
Yahoo Finance

Recap of the market before the bell
Yahoo Finance Video

COINBASE ANNOUNCES NEW COIN LISTING POLICY

6

COINBASE ANNOUNCES NEW COIN LISTING POLICY

add a boolean feature: HasVideo

Coinbase announces new coin listing policy

Yahoo Finance Video • September 25, 2018

Digital currency exchange Coinbase announcing a new process that will allow it to rapidly list new coins with less advanced notice. Coinbase says the policy "will allow us to rapidly list most digital assets that are compliant with local law, by satisfying listing requests in a jurisdiction-by-jurisdiction manner."

Fib 23.6% Retracement Level: $130

Fib 38% Retracement Level: $162

Fib 62% Retracement Level: $214

only need content above this line

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