MỤC TIÊU BÀI TOÁN

1

Phân loại người dùng theo khu vực địa lý

2

Nhận dạng người dùng liên quan tới web3 3

Phân loại người dùng theo dự án quan tâm

THỰC HIỆN

Data Crawling



Data Processing



Data Analyzing

I, Thu thập Dữ liệu

Elon Musk 🧼 🛚

Don't Look Up

Replies

Elon Musk 🙋 🗵 @elonmusk (17h)

509 Following 167.5M Followers 137 Subscriptions

t7 3K

Followed by Braavos - Starknet Wallet, Bullish, and 47 others you follow

youtube.com

Highlights

ChatGPT Created an Image of God with a Bunny

Trussell:https://open.spotify.com/episode/0z0c9E...

111 7.4M

Taken from JRE #2078 w/Duncan

O 16K

Media

Subs

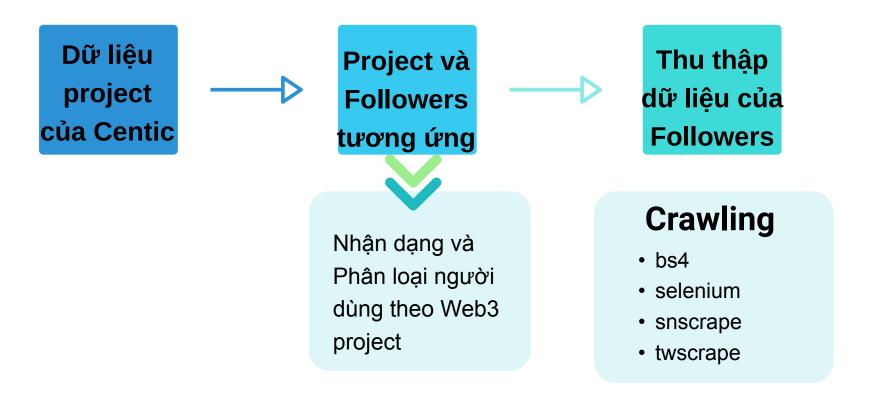
@elonmusk

Posts



Follow

Likes



Dữ liệu thông tin người dùng từ X Profile gồm có:

```
"user": "VioletAbtahi",
"id": 1478269476076351488,
                                                                                                 "tweet_id": 1585967548553564160,
"username": "VioletAbtahi",
                                                                                                 "tweet content": "love japan web 30 community",
                                                                                                 "tweet_created_at": "2022-10-28T12:11:44+00:00",
"displayName": "Violet Abtahi",
                                                                                                 "like count": 8.
"url": "https://twitter.com/VioletAbtahi",
                                                                                                 "retweet_count": 3,
                                                                                                 "comment_count": 2,
"intro": "COO @enyaai | Co-founder @bobanetwork
                                                                                                 "view_count": null,
                                                                                                 "quote_count": 0,
"join date": "2022-01-04T07:38:16+00:00",
                                                                                                 "hashtags": [],
"location": "San Francisco, CA",
                                                                                                 "place": {
"friends_count": 1529,
"favorite_count": 277,
"followers count": 1531,
"media_count": 9,
"status_count": 190,
                                                                                                 "mentioned_users": [],
"listed count": 29,
                                                                                                 "long-lat": [
"is_protected": null,
"is verified": false,
```



"id": "a56612250c754f23",

"name": "Tokyo-to",

"type": "admin",

"country": "Japan",
"countryCode": "JP"

-83.54424285888672,

26.01139259338379

"fullName": "Tokyo-to, Japan",





II, Xử lý dữ liệu

Bot check

- Classification
- Kaggel LabeledData



Text processing

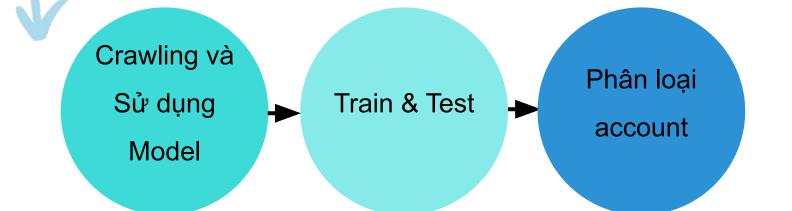
- Tokenize, lemmatizer
 NLTK
- Remove emoji, stopword, special character,...

Name	Description	type
id	Twitter ID for user account	integer
account_type	indicator of the account type (bot or human)	string



Model Card for Model Geo-BERT-multilingual

This model predicts the geolocation of short texts (less than 500 words)

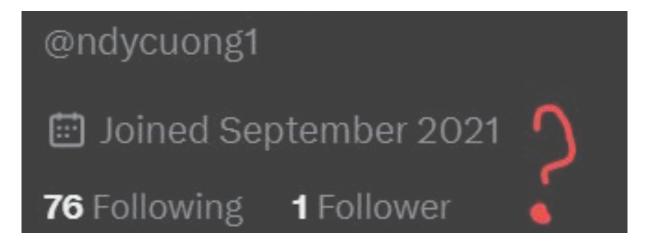


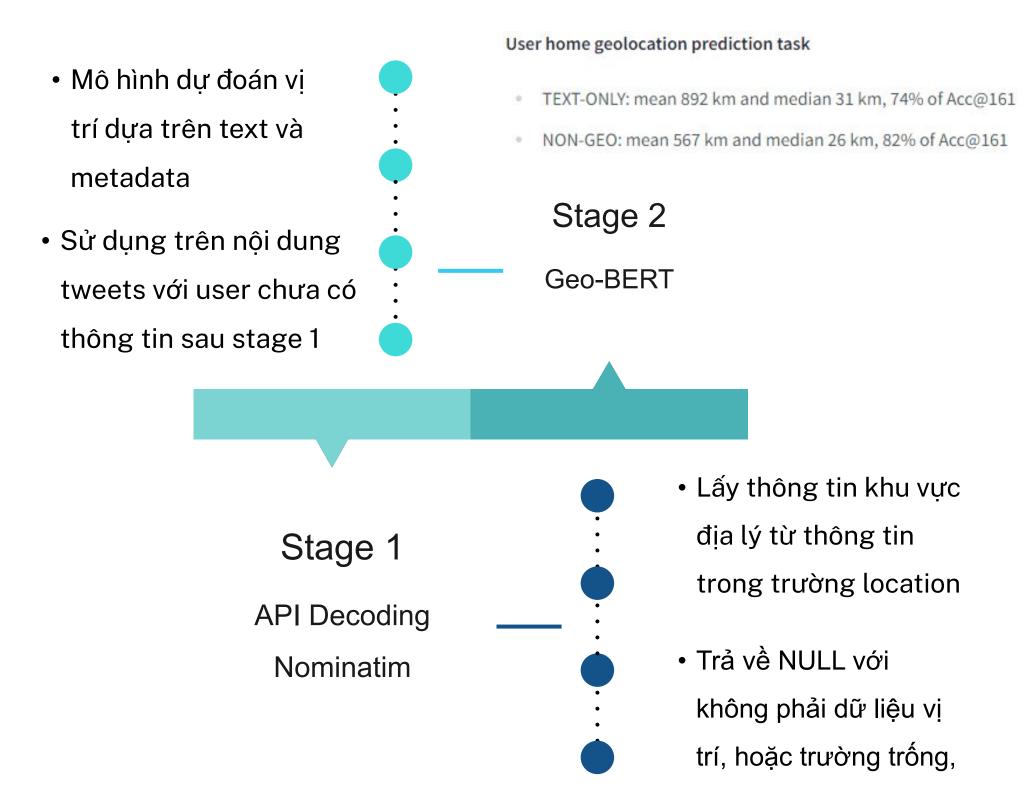
III, Phân tích dữ liệu

Dự đoán vị trí người dùng







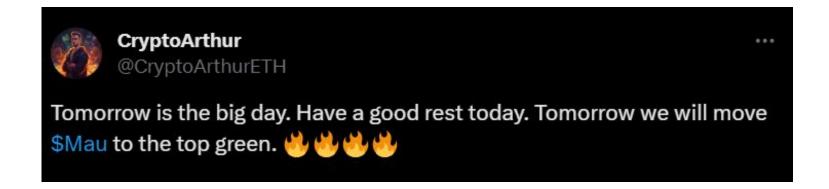


III, Phân tích dữ liệu

Tweet Sentiment Analysis

twitter-XLM-roBERTa-base for Sentiment Analysis

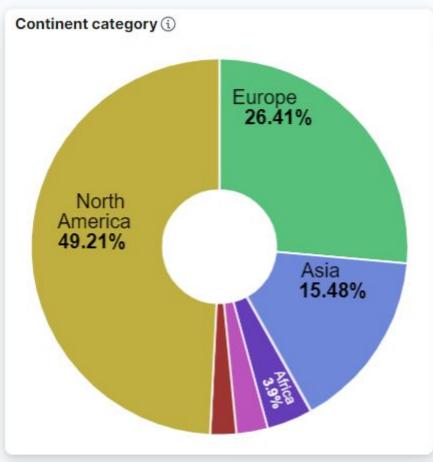
This is a multilingual XLM-roBERTa-base model trained on ~198M tweets and finetuned for sentiment analysis. The sentiment fine-tuning was done on 8 languages (Ar, En, Fr, De, Hi, It, Sp, Pt) but it can be used for more languages (see paper for details).

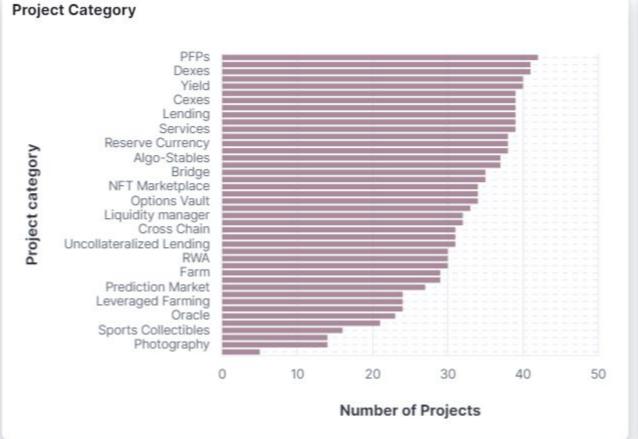


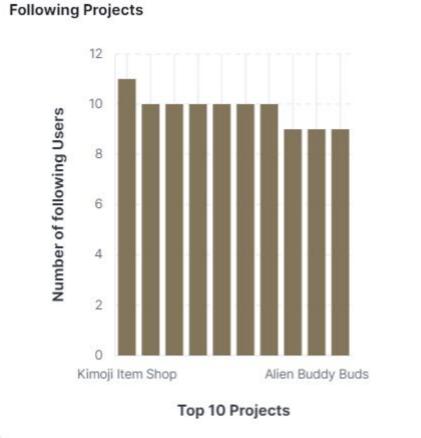
[{'label': 'positive', 'score': 0.7345331311225891}]

PROCESS









7,215

Total Tweets

Total Users

The number of Tweets

239,409

