

## # Project 2

### ## Phase 1(a)

#### How to use

- 1. Set the environment variable 'BEARAR\_TOKEN' (twitter api token),  
'RAPIDAPI\_KEY'(rapidapi api token(botometer)),  
'consumer\_key'(twitter api token),  
'consumer\_secret'(twitter api token),  
'access\_token' (twitter api token),  
'access\_token\_secret' (twitter api token)
- 2. Modify the twitter username in line 103 of twitter\_demo.py
- 3. Generate XX\_user\_id\_liked\_tweets\_dict.pkl as the obtained tweets file

#### ### Called api

- 1. Get user id by twitter username
- 2. Get followers by user id
- 3. Get liked tweets by user id
- 4. botometer to determine whether the user is a robot

### ## Phase 1(b)

#### ### How to use

- 1. Set the environment variable 'OPENAI\_API\_KEY' (open-ai token),
- 2. Modify the 6 lines of openai\_demo.py to generate the file name
- 3. Execute openai\_demo.py to obtain emotional judgment results

#### ### Called api

- 1. Perform sentiment analysis through openai to judge the sentimental tendency of each tweet of each user