Parallel & Distributing Computing

Project Report



# ­ ­Dynamic Developers: Faculty:

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# Sentiment Analysis

In Natural Language Processing there is a concept known as Sentiment Analysis.

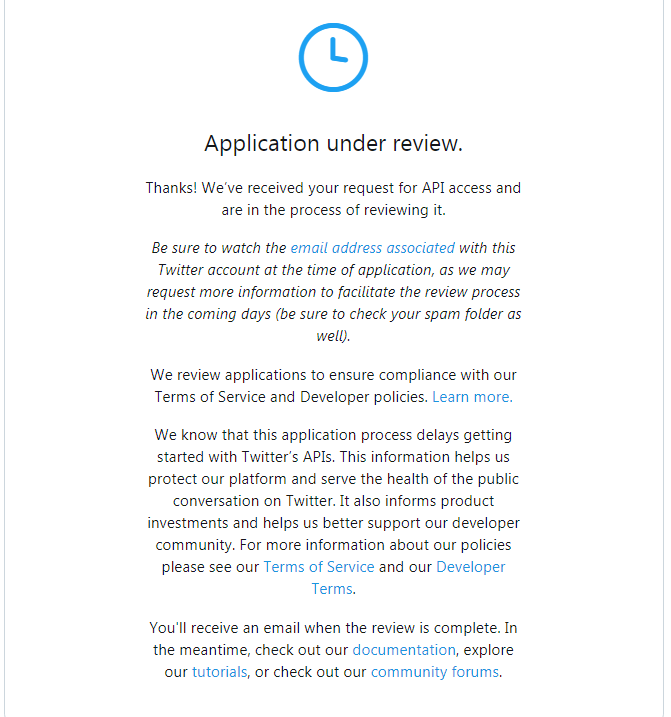
Given a movie review or a tweet, it can be automatically classified in categories.  
These categories can be user defined (positive, negative) or whichever classes you want.

**Collecting the data set of the tweets.**

# Setting Up twitter app. (developer account)

In order to extract tweets for a posterior analysis, we need to access to our Twitter account and create an app. The website to do this is <https://apps.twitter.com/>.

After applying for developers account:



As it was taking long to approved. We found another way or solution to get data from twitter by scrapping.

# Twitter Scraper

Twitter's API is annoying to work with, and has lots of limitations — luckily their frontend (JavaScript) has its own API, which I reverse–engineered. No API rate limits. No restrictions. Extremely fast.

You can use this library to get the text of any user's Tweets trivially.

## Usage

>>> from twitter\_scraper import get\_tweets

>>> for tweet in get\_tweets('kennethreitz', pages=1):

>>> print(tweet['text'])

It appears you can ask for up to 25 pages of tweets reliably (~486 tweets).

Reference: [ <https://github.com/kennethreitz/twitter-scraper>].

So we are going to use twitter\_Scrapper for data collection.