Minor Project

Inferring top K twitter trends from Real time twitter data

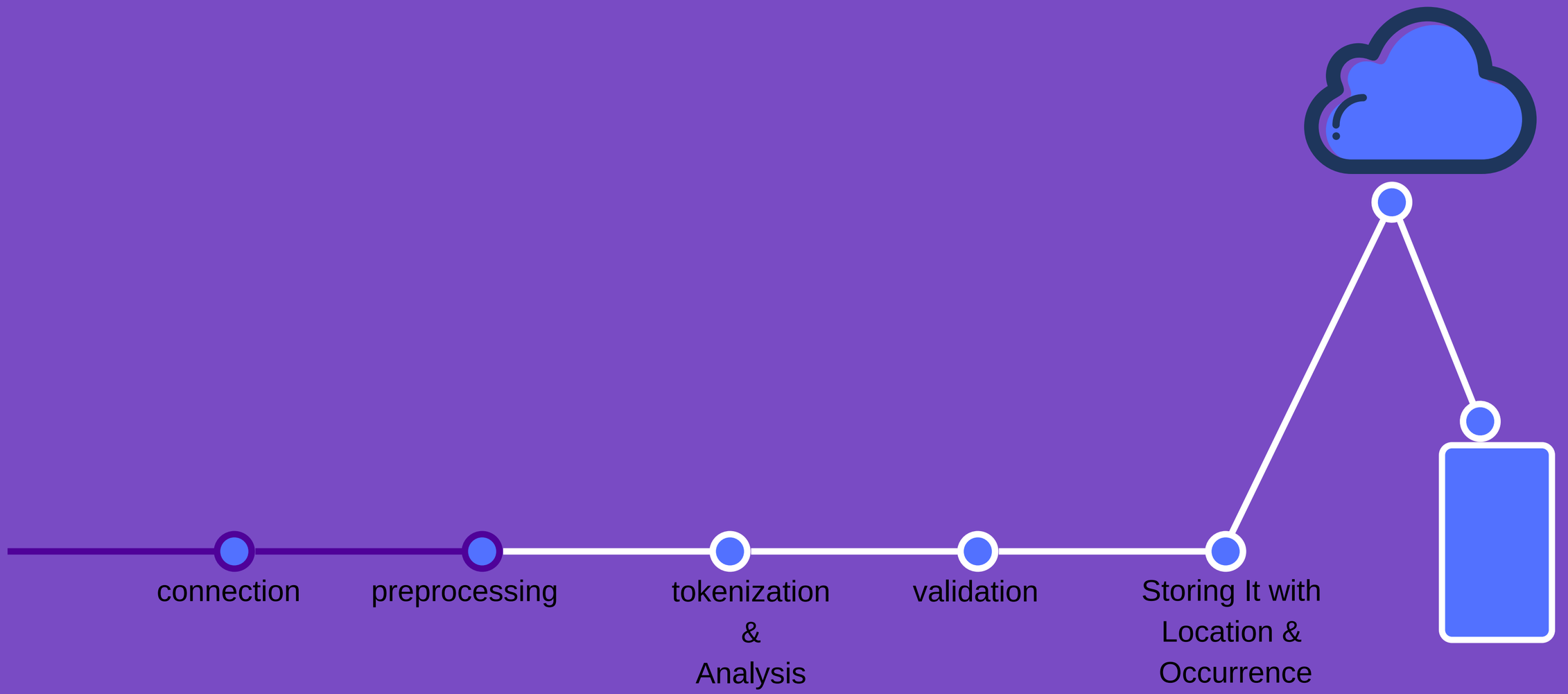
Inferring top K trending news from twitter data **includes >**

Finding Pattern

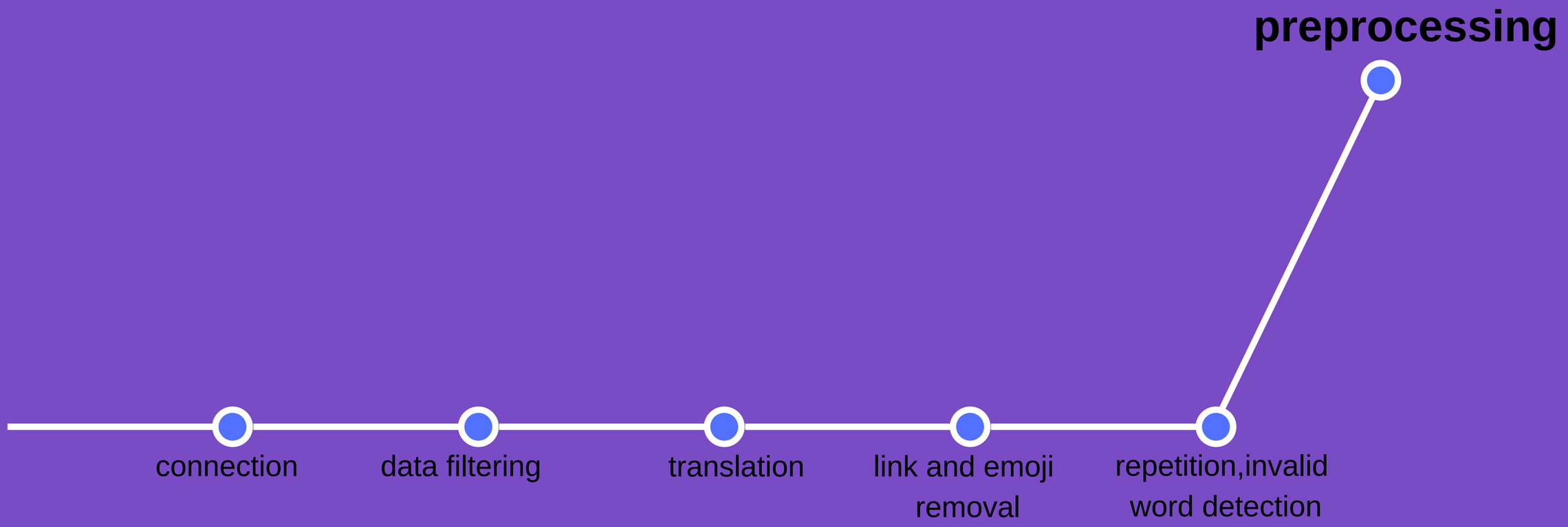
Identifying news topic

Geo tagged

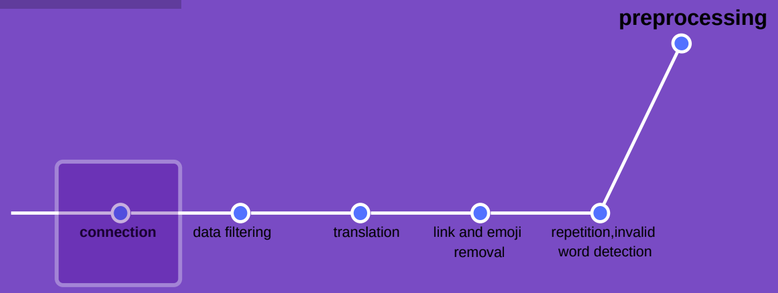
Model


connection
preprocessing
tokenization
&
Analysis
validation
Storing It with
Location &
Occurrence

Preprocessing



Connection



Keys and tokens

Keys, secret keys and access tokens management.

Consumer API keys

e5e[redacted] (API key)

Jer[redacted]2vH6 (API secret key)

Regenerate

Access token & access token secret

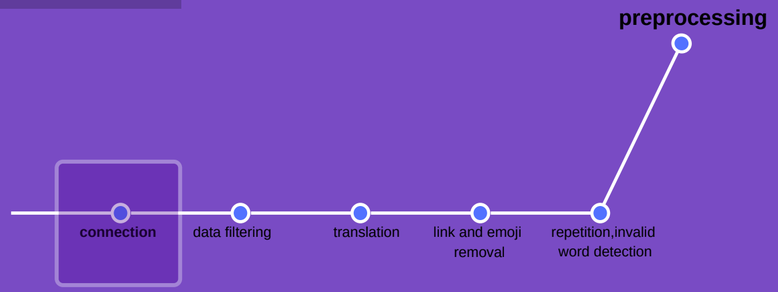
37[redacted]qUKi4A (Access token)

g93[redacted]YG (Access token secret)

Read and write (Access level)

Revoke Regenerate

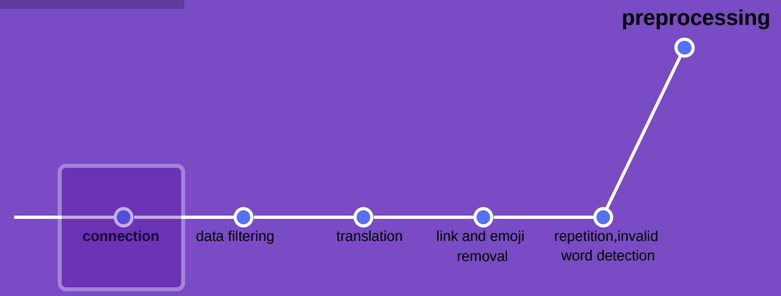
Connection




```
import tweepy
```

StreamListener OAuthHandler Stream

Connection

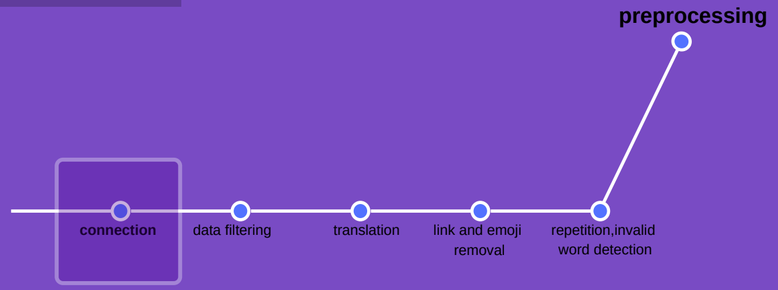


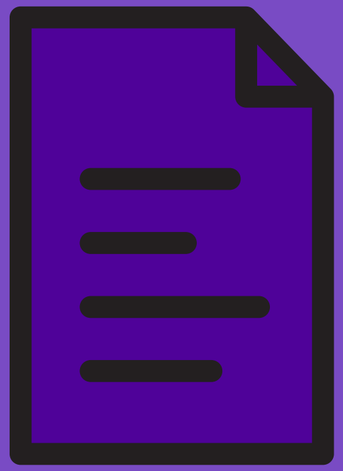

```
class StdOutListener(StreamListener):

    def on_data(self, data):
        print (data)
        return True

    def on_error(self, status):
        print (status
```

```
l = StdOutListener()
    auth = OAuthHandler(consumer_key, consumer_secret)
    auth.set_access_token(access_token, access_token_secret)
    stream = Stream(auth, l)

    stream.sample()
```

Connection

Twitter Data



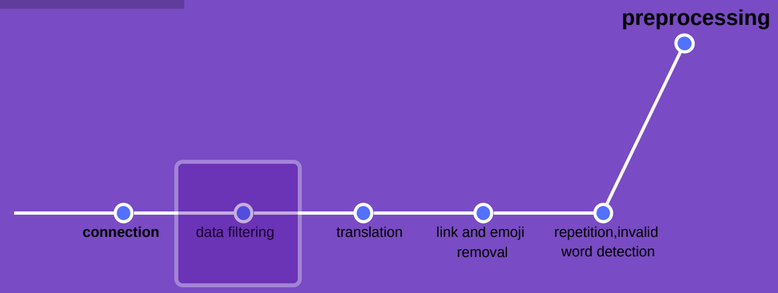


{"created_at":"Wed Oct 24 06:30:42 +0000 2018","id":1054983504013025280,"id_str":"1054983504013025280","text":"RT @LuisitoComunica: Chul r":"C0DEED","profile_background_image_url":"http:\/\/abs.twimg.com\/images\/themes\/theme1\/bg.png","profile_background_image_url_https":"https:\/\/abs.twimg.com\/images\/themes\/theme1\/bg.png","profile_background_tile":false,"profile_link_color":"1DA1F2","...

.....

.....

Data Filtering



.txt

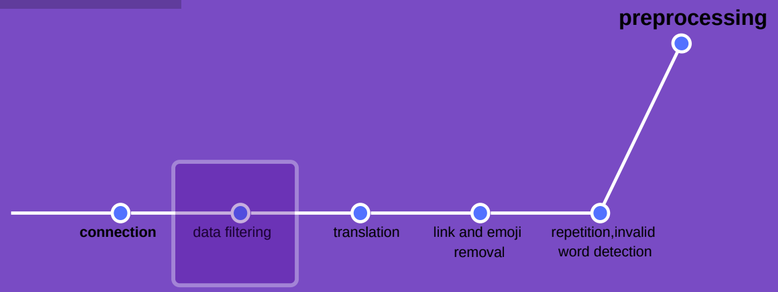
.json

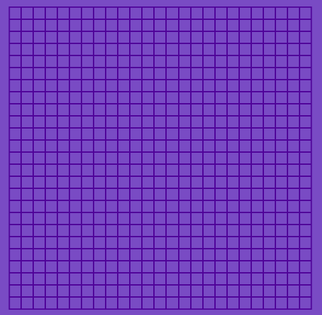
14722

pandas dataframe

12728

Data Filtering

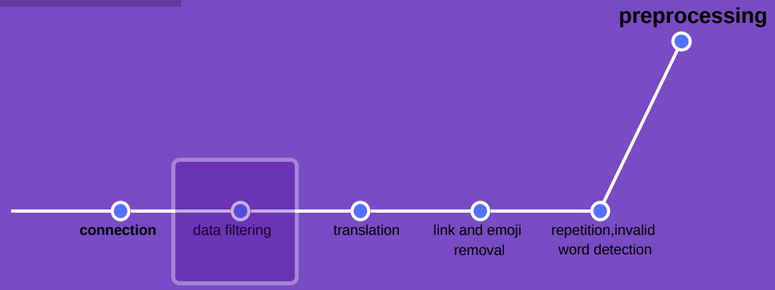


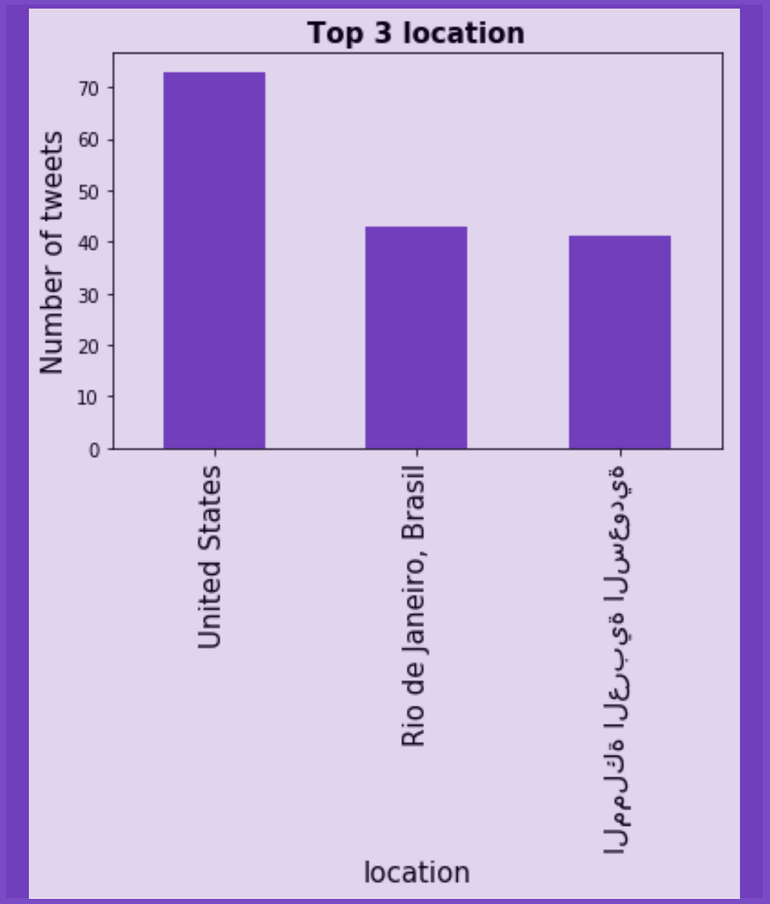


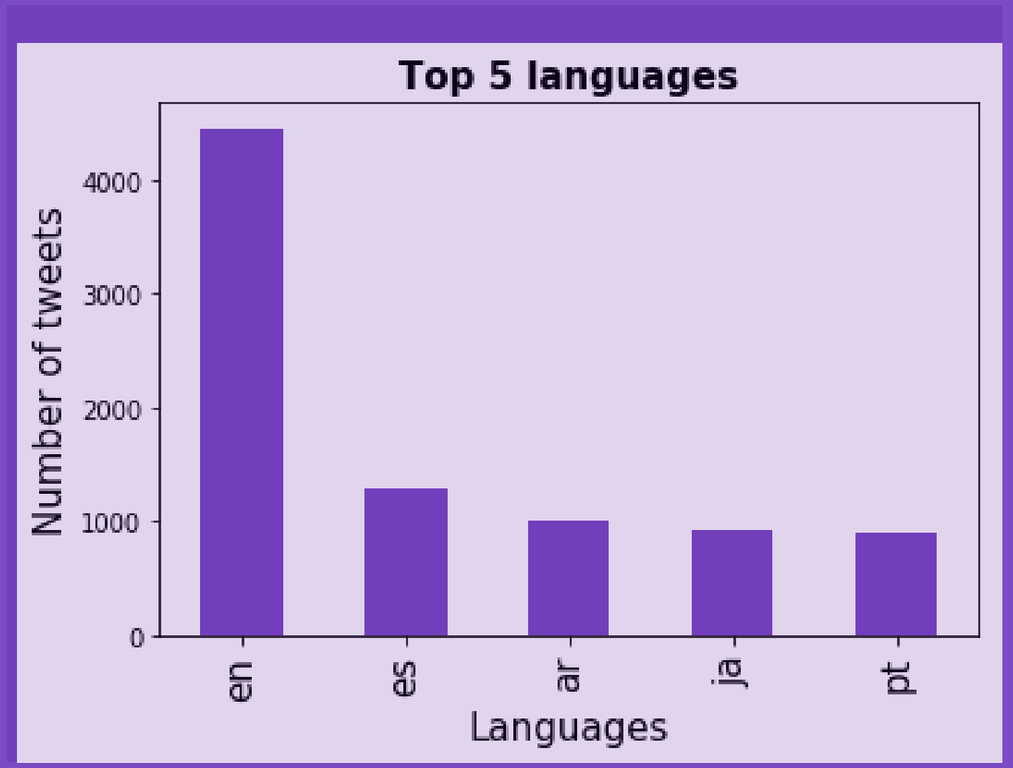
pandas dataframe

Dropping empty row

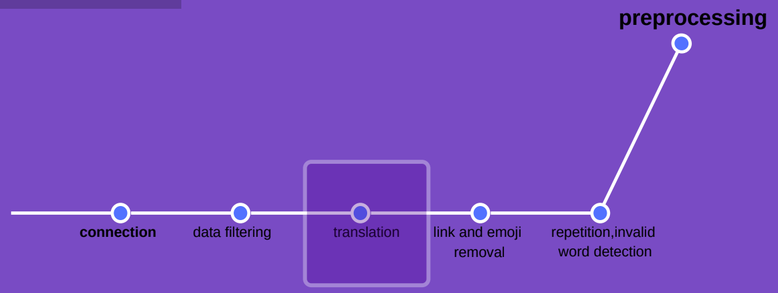
Basic Analytics







Translation



4500 +

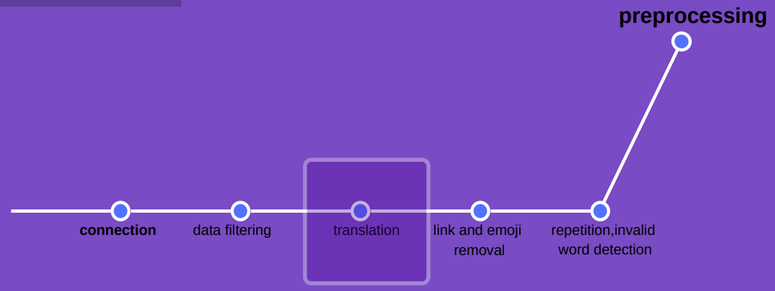
English

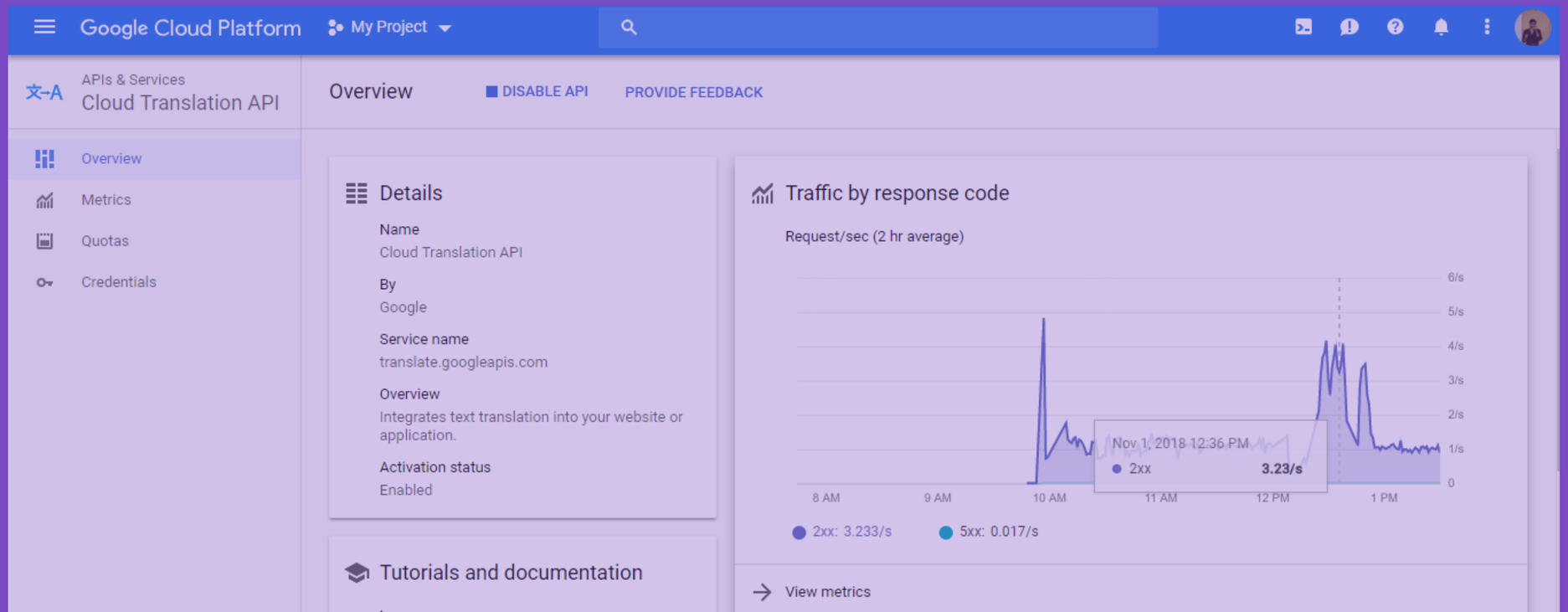
~~import goslate~~ Free

Server Down

Translation

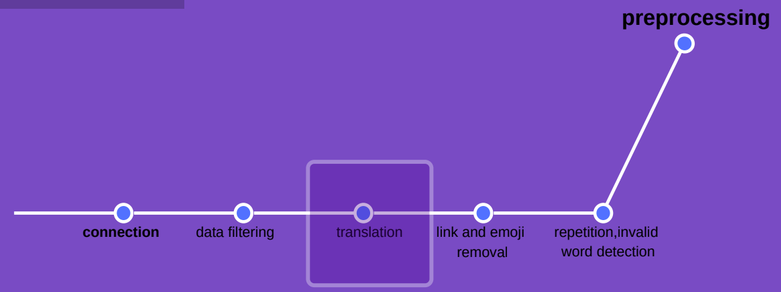
Google Cloud Translator





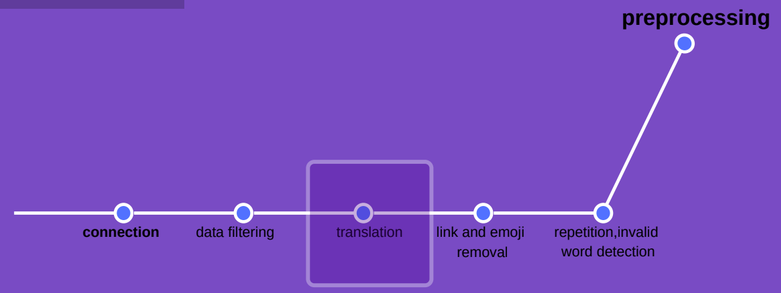
Translation

Google Cloud Translator




```
from google.cloud import translate
translate_client = translate.Client( )
translation = translate_client.translate(
    text,
    target_language=target)
```

Prioritization

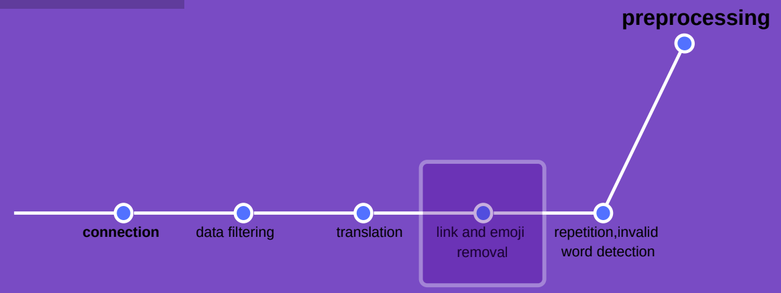


Favourite Count

Followers Count

12728 → 11983

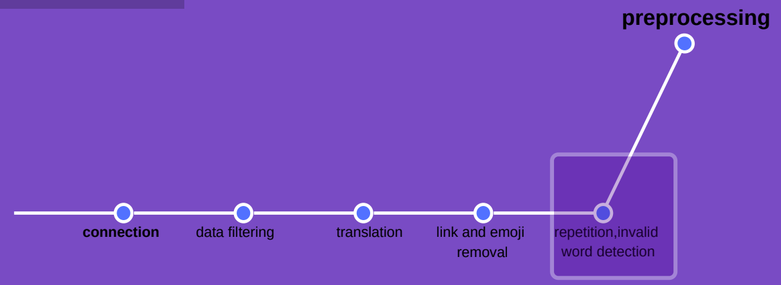
Link & Emoji removal



https://www.trap.com

I liked today's movie :)

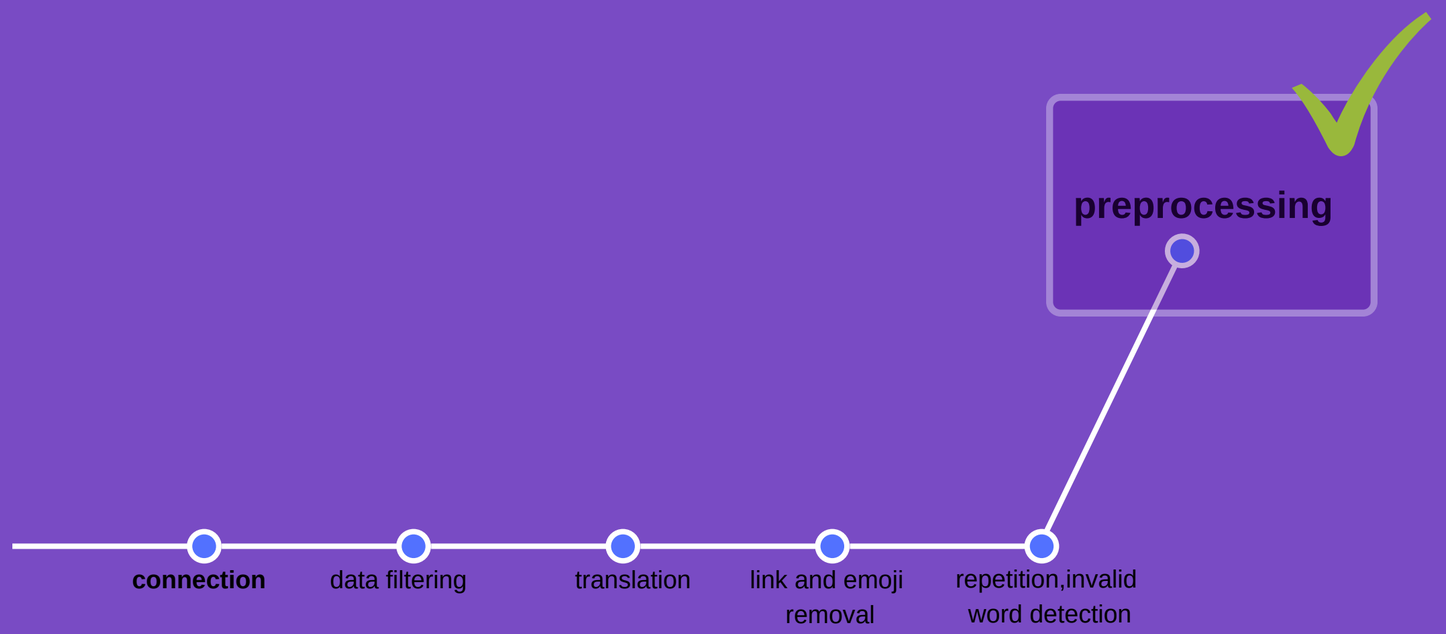
Repetation & Invalid word



Santa ... ... you do not come?

santa you do not come

Future Work


preprocessing
connection
data filtering
translation
link and emoji removal
repetition,invalid word detection

Thank you