**Social Media Analytics Lab**

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**Lab 11. Retrieving your Instagram profile picture and most recent post**

1. Install the library instaloader
2. Initialise the instaloader function and get the profile picture of your Instagram account

import instaloader

test = instaloader.Instaloader()

account = input("Enter the profile name : ")

test.download\_profile(account, profile\_pic\_only = True)

1. Access the Instagram API and get the token and key and put the redirect URL as

'http://www.google.com'

CLIENT\_ID = ''

CLIENT\_SECRET = ''

REDIRECT\_URI = ''

base\_url = 'https://api.instagram.com/oauth/authorize/'

url = '{0}?client\_id={1}&redirect\_uri={2}&response\_type=code&scope=public\_content'.format(base\_url, CLIENT\_ID, REDIRECT\_URI)

print('Click the following URL, which will taken you to the REDIRECT\_URI you set in creating the APP.')

print('You may need to log into Instagram.')

print()

print(url)

1. After authorization, copy the string following '?code=...' in the browser's address bar and get the ACCESS Token

import requests # pip install requests

CODE = ''”

payload = dict(client\_id=CLIENT\_ID,

client\_secret=CLIENT\_SECRET,

grant\_type='authorization\_code',

redirect\_uri=REDIRECT\_URI,

code=CODE)

response = requests.post(

'https://api.instagram.com/oauth/access\_token',

data = payload)

ACCESS\_TOKEN = response.json()['access\_token']

response = requests.get('https://api.instagram.com/v1/users/self/?access\_token='+ACCESS\_TOKEN)

print(response.text)

1. Get the recent feed from your Instagram profile

from IPython.display import display, Image

response = requests.get('https://api.instagram.com/v1/users/self/media/recent/?access\_token='+ACCESS\_TOKEN)

recent\_posts = response.json()

def display\_image\_feed(feed, include\_captions=True):

for post in feed['data']:

display(Image(url=post['images']['low\_resolution']['url']))

print(post['images']['standard\_resolution']['url'])

if include\_captions: print(post['caption']['text'])

print()

display\_image\_feed(recent\_posts, include\_captions=True)