## ResBaz – Scraping Twitter with Python (Instructor: Darla Still)

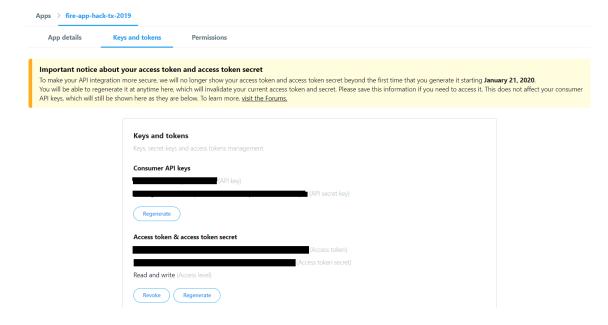
## Description of Workshop

In this workshop, we will be using Python to scrape Twitter. The script we will run grabs tweets from a single public username – this can be done as many times for as many usernames you would like to analyze; however, we will focus on three handles in this workshop. We will also do some descriptive analysis of these tweets in Python. You should walk away with knowledge of how to scrape Twitter, what elements of a tweet are available in this free service, how to manage data in Python, and how to do some descriptive analysis of text in Python. If you are unable to receive authorization needed to scrape Twitter, no worries! There will be data files provided for this workshop, which will be used for the examples during instruction.

## **Getting Started**

## Before the workshop:

- 1. To create an app, you must have an approved developer account. Do this first. Provide as much detail as possible in the application process. Presumably, you are scraping Twitter for your research, so it would be best to describe your project in the application.
  - a. Apply here: https://developer.twitter.com/en/application/use-case
- 2. Wait for approval... while you wait...
  - a. Become familiar with Twitter's Terms of Service: <a href="https://developer.twitter.com/en/developer-terms">https://developer.twitter.com/en/developer-terms</a>
  - b. See also:
    - i. <a href="https://www.youtube.com/watch?v=GWpCHh54pXU">https://www.youtube.com/watch?v=GWpCHh54pXU</a>
    - ii. https://www.bitbybitbook.com/en/1st-ed/ethics/
- 3. Next, create a Twitter app by clicking here (logging into your Twitter account) and following the steps.
  - a. <a href="https://developer.twitter.com/en/apps">https://developer.twitter.com/en/apps</a>
  - b. More information: https://developer.twitter.com/en/docs/basics/apps/overview
- 4. Locate your individual Consumer API Keys and Access tokens:



- 5. Install "tweepy" in your Python environment
  - a. <a href="https://pypi.org/project/tweepy/">https://pypi.org/project/tweepy/</a>
- 6. If you already have an app/credentials and have used tweepy to scrape previously, you are set for this workshop!