**MSCS3045- Fall 2022**

**Final Project- Report**

**What did you do so far in your Project?**

|  |
| --- |
| Twitter offers both international and local trends. Let's load and analyse data for subjects that were trending worldwide (WW) and in the United States (US) at the time of the query — a snapshot of the JSON response from Twitter's GET trends/place API.  **Worked on:**   * Understanding what modules are necessary to complete the work at hand and then importing those modules. * Understanding the trends of tweets both locally and globally. * Investigating the current trend.   This URL provides API access to data retrieval🡪 https://developer.twitter.com/en/docs/twitter-api/v1/trends/trends-for-location/api-reference/get-trends-place |

**List the challenge/problem that you are facing to complete this project?**

|  |
| --- |
| The challenge is to identify global and local trends, examine the two sets of trends, and identify common trends by using the intersection method to identify common names. Creating and computing frequency distributions. |

**How are you solving and dealing with the problems?**

|  |
| --- |
| Attempting to solve these by using set data structure in Python and others to identify common tendencies.  The intention is to loop over the two trends objects, convert their respective name lists to sets, and then call the intersection method. Then, occurrences are counted and the frequency distribution of all names and hashtags will be obtained. |

**Which resources, Python tools, Python functions, … are you currently using to accomplish your work?**

|  |
| --- |
| Going over a few subjects to fill in some of the blanks while following through on the below courses that are offered on Data Camp.   1. [**Introduction to Python**](https://www.datacamp.com/courses/intro-to-python-for-data-science) 2. [**Intermediate Python**](https://www.datacamp.com/courses/intermediate-python) 3. [**Data Manipulation with pandas**](https://www.datacamp.com/courses/data-manipulation-with-pandas) |

**What are you planning to do during the next week?**

|  |
| --- |
| Will work on [**Analyzing Social Media Data in Python**](https://app.datacamp.com/learn/courses/analyzing-social-media-data-in-python) to understand data and filter to get the near real time data through API calls:   * Create a DataFrame and visualize the data in a style that is both attractive and informative. * Obtaining valuable information from retweets. * Each tweet's language is extracted and added to the list of languages. |