**Twitter Dashboard Documentation/Report**

**[Note]: No scripts are to be used in parallel, every script is to be run in series.**

**The first thing would be to install Python 3.7+.**

**Then install all the necessary packages using the command:**

**pip install -r requirements.txt –user**

The Following scripts are to be used for extraction:

1. <twitter\_followers.py>

This script collects all the followers associated to \_KSU and insert them in the followers table in database name twitter.

2. <db\_test.py>

It will collect the followers data from followers table in twitter db and collect followers- followers count and followers time on twitter.

3. <twitter\_mentions.py>

This script will collect all the retweets the user got...and save them in influencers table in twitter\_tweet database

4. <twitter\_search.py>

This script will collect all the mentions/comments the user got...and save them in influencers table in twitter\_tweet database

5. <twitter\_tweets.py>

Get all the tweets done by the user.

6. <twitter\_user.py>

This is the script which will collect the users profile data and save it in users\_ table in twitter tweets db and it will be run in the background to collect the users information every 30 mins

To run the scripts above run this command:

python <script\_name>

After you’ve extracted all the data and loaded it onto the database you have to run this code to build the dashboard.

The dashboard is like a website and it updates anytime there is new data added to the database.

To run the script for dashboard simply run these codes in the order written below:

pip install virtualenv

virtual env

source ./env/bin/activate

pip install -r requirements.txt –user

python manage.py runserver

And after running these codes go to chrome/firefox/safari browser and enter this url

<http://127.0.0.1:8000/dashboard>

This will display the dashboard

In the dashboard the upper half is used for displaying the basic info of the twitter handle :\_KSU

The **Activity** is used to show the tweets and retweets of the twitter handle based on the weekday.

###### Semantic Results shows the positive,negative and neutral tweets posted by the twitter handle.

###### #Visitor Interactions displays the number of interactions which happened in the last 10 days

###### Followers Time on Twitter: This graph shows the age of the twitter handle’s followers on twiiter (Not their actual age rather their time on twitter)

###### User Followers-#Followers: It shows the number of followers the twitter handle’s followers has got.

***Comparing Average Retweets/Day:***

This bar graph compares retweets from different twitter accounts of universities based on the weekday.

From the graph it is clearly visible that on Tuesday and Saturday, all the twitter accounts get very less interactions/retweets and kauweb gets the most retweets compared to the rest, followed by \_KSU which gets the most retweets on Sunday.

***Comparing Average Tweets/Day:***

This bar graph compares Tweets posted by different twitter accounts of universities based on the weekday.

\_KSU posts the most tweets compared to the rest. Also \_KSU posts their tweets mostly on Monday,Tuesday and Thursday. To get more retweets theyshould post it on Thursday, Friday and Sunday.

## ***Comparing Twitter Accounts***

This table displays the basic info of twitter accounts to which \_KSU is being compared to.

This url shows the followers details of \_KSU

<http://127.0.0.1:8000/customer_list/>