CSE648: Privacy and Security in Online Social Media
Fall'17
Assignment 2
Please do not wait until last moment. Good Luck!

Due Date : 15th September 2017, 23:59 hrs IST
Total : 70 marks

Instructions :
- Languages allowed : Python/Java
- You are free to use API documentation but if referring to any other sources, please cite them
- Please write your own code. All codes will be tested for Plagiarism and if found, institute policy for plagiarism will be followed.
- Document your code properly.
- You can use any database for storing the data but it will be tested at the time of demo.
- Write all the analysis along with graphs, charts etc in analysis.pdf
- Make a readme.txt file with the instructions how to run the code. All libraries, sources etc used should be properly mentioned in it.
- Do the Assignment individually
- Rename your folder in Name_RollNo_HW2 format
- Zip all your code files along with analysis and readme file in Name_RollNo_HW2.zip format. Example MansiGoel_2014062_HW2.zip

Policing in Online Social Media

Ques 1. Collect data for two verified city police Twitter handles (one from delhi / mumbai / bangalore police with in India, and one from outside India like Boston / Metropolitan / Baltimore in the US / UK) Collect data for 1 Aug 2017 - 7th Sept. 2017. (10 marks)

Ques 2. Compare the difference in behaviour and activity of both the handles in terms of : (40 marks)
1. Frequency of tweets (Activeness on twitter)
2. User response to their tweets (Number of likes, retweets and replies). Create one score using all these and mention the function you used to create the score.
3. Major concerns the city police is addressing in the two pages
4. How the tweet contents affect their popularity in terms of only text, images, videos, i.e compare the different media content

Ques 3. A. Collect top 10 user IDs that these 2 handles that you are comparing retweeted the most.
B. Make some inferences (in terms of why, and who they are) on the type of handles the police organizations are retweeting. (20 marks)

Note: You need to draw inferences along with reporting all the graphs and numbers in analysis.pdf