

HOMEWORK

For the purposes of this exercise, we define three types of Twitter users.

- Layman: Users with less than 100 followers
- Expert: Users with 100-1000 followers
- Celebrity: Users with more than 1000 followers

Pick a *target* Twitter user that is either a layman or an expert. Choose a definition of *the most active user*, eg. the user with the greatest number of total tweets, the user with the greatest number of tweets per day, etc. Use the Twitter API to answer the following questions:

- One degree of separation:
 - Among the followers of your target who is the most active?
 - Among the followers of your target who is the most popular, i.e. has the greatest number of followers?
 - Among the friends of your target, i.e. the users she is following, who are the most active layman, expert and celebrity?
 - Among the friends of your target who is the most popular?
- Two degrees of separation: For the following two questions, limit your search of followers and friends to laymen and experts.
 - Among the followers of your target and their followers, who is the most active?
 - Among the friends of your target and their friends, who is the most active?