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| ***MODULE NUMBER*** | | 11 | | | |
| ***TOPIC(S)*** | | Processing Twitter streams | | | |
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| **--- PRECLASS ---** | | | | | |
| **TO-Dos** | Create a Twitter account (if you do not have one already!)  Create a “Twitter Application” to get credentials for using the Twitter API: How to at: <https://goo.gl/CyNTWt> (until minute 2:40) | | | |  |
| **DOCS** | Check out the tweepy documentation at: <http://tweepy.readthedocs.io/en/v3.5.0/>  In particular <http://tweepy.readthedocs.io/en/v3.5.0/streaming_how_to.html> shows the basics of the code available in Pycharm preclass | | | |  |
| **PYCHARM** | Check the code in Module11 >> preclass  Twitter\_streaming.py : this contains the code to create a “streamListener” for live tweets  Twitter\_proc.py : this shows how to do some basic processing of tweets that have been tracked using a live listener. You should try to understand the code, as you will have to reuse it in class.  In particular, try to understand the dictionary-based representation of a single tweet in Python. | | | |  |
| **QUIZ** | ADSA Quiz Module 11 at: <https://goo.gl/forms/pwNujPOvxLqhwxrg2> | | | |  |
| **VIDEO** | <https://goo.gl/CyNTWt> : This video shows how to build a very simple graphical interface showing tweets of a user. | | | |  |
| **--- PROBLEM SET 1 (Tuesday Nov 8th) ---**  Complete the implementation of the functions in PyCharm (basic functionality to track tweets, count number of tweets in a file, show tweets with certain properties) | | | | | |
| **--- POST-CLASS 1 ---** | | | | | |
| **TO-DO** | Complete problem set 1 | | | |  |
| **--- PROBLEM SET 2 (Thursday Nov 10th) ---**  Complete the implementation of the functions in PyCharm (advanced functionality to find tweets with certain properties and to apply NLP to twitter streams) | | | | | |
| **POST-CLASS 2** | | | | | |
| Complete problem set 2 | | |  |  |  |