Homework 6: Analyzing Twitter Data

CPLN 671/MUSA 501

This assignment involves using R to examine the content of Twitter posts containing a certain search term. Specifically, you will be asked to do the following:

1. Identify a search term or hashtag having to do with an urban (or related) issue, problem, or application (e.g., #muralarts, #patco, #wisconsinrecount, etc.)
2. Adapt the code provided for the class examples to do the following:
   a. Extract the most recent (at most) 10,000 tweets that contain that search term/hashtag
   b. Clean the tweets (i.e., remove stop words, numbers, suffixes, etc.)
   c. Create a word cloud of the terms in the tweets
   d. Map the tweets

The deliverables should include the following:
1. A brief report (2-3 pages, including all graphics) which includes:
   a. A 1-2 paragraph explanation of the urban problem for which you are doing this analysis. Be sure to talk about the significance of the problem, and to provide a brief description of the Twitter search term which you will be using, as well as the date and time you conducted the analysis.
   b. How you cleaned the tweets (i.e., which additional stop words you might have removed).
   c. An image of the word cloud that you created.
   d. The map of the tweets.
2. The R Code (please be sure to delete the access and security codes before sending the code to me).