

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).