The Kidneys Can Tweet?! An Exploratory Analysis of Twitter Hashtags Related to CKDu.

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Overview and Motivation

Why did you undertake this particular project? What inspired you, what are your background and research interests that may have influenced your decision?

Project Objectives

What is the primary focal question that you are trying to answer? What would you like to learn and accomplish?

Data

Using R package 'rtweet' data will be extracted from Twitter.com a social media website that allows users to tweet short messages of 280 characters or less. Common data that can be acquired via tweet analysis includes textual/sentiment analysis, analysis of the social connections between users, and geolocation analysis of where a tweet originated. This project will be focused on analyzing tweets with keywords and hashtags related to the global CKDu epidemic. Currently, candidate key words include 'chronic kidney disease of unknown etiology', 'enfermedad renal crónica no tradicional', 'mesoamerican nephropathy', and 'chronic interstitial nephritis in agricultural communities'. Candidate hastags are #CKDu #CINAC #MeN and #ERCnt.

Data Wrangling:

Do you anticipate that there will be extensive data cleaning / reshaping / extraction? Are there questions you will need to calculate in your data (e.g., perhaps you have height and weight, but not BMI)? How will you implement this particular data wrangling step?

Exploratory Analysis:

Which methods / visualizations are you planning to use to explore your tidy dataset?

Analysis

How are you planning to analyze your data?

Schedule

Completed Activities

-January 28, 2019 Meeting with Steve Pittard to discuss rTweet package and potential difficulties with analyzing tweets.

-January 28, 2019 Apply for Twitter Developer Account. A developer account is needed for access to Twitter's API that will allow for tweet extraction and data analysis in R. Developer Account Applicaiton Status: **Approved!**

Future Activities/Deadlines

-Week of **Feb 11**:

-Week of **Feb 18**:

-Week of **Feb 25**: No activities scheduled due to SNRS Conference Attendance.

-Week of **March 4**:

-Week of **March 11**:

-Week of **March 18**:

-Week of **March 25**: Finalize milestone 2 and submit by March 27.

-Week of **April 1**:

-Week of **April 8**:

-Week of **April 15**:

-Week of **April 22**:

-Week of **April 29**: Finalized milestone 3 and present project on May 1.

Keeping in mind the due dates listed above for the intermediate and final milestones, make a plan to meet these deadlines. Write these in terms of weekly tasks / goals.