Joyce Woznica  
IST 652, Week 8

Activity 8.3: Users, Trends, Tweets

Code:

﻿# Week 8

# Joyce Woznica

# Working with Twitter

import pymongo

client = pymongo.MongoClient('localhost',27017)

#list the databases defined

client.database\_names()

db = client.bball

db.collection\_names()

coll=db.bbcoll

docs = coll.find()

#convert the document cursor to a list of documents

doclist = [tweet for tweet in docs]

len(doclist)

# show difference from print

print(doclist[:1])

#Look through this to point out field names

#Here is a little print function that will help.

def print\_tweet\_data(tweets):

for tweet in tweets:

print('\nDate:', tweet['created\_at'])

print('From:', tweet['user']['name'])

print('Screen Name: ',tweet['user']['screen\_name'])

print('Message', tweet['text'])

print\_tweet\_data(doclist[:5])

#4. Then see if you can find the Screen names referenced in these tweets.

# Yes - changed the function to display them

#5. Can you display them?

# 8.3 - maybe see if Kentucky is mentioned in the message

def find\_team(tweets, team):

for tweet in tweets:

msg = tweet['text']

if msg.find(team) != -1:

print('Team Mentioned: ', msg)

find\_team(doclist[:10], "Kentucky")

# could count these

def count\_tweets(tweets, team):

i = 0

for tweet in tweets:

msg = tweet['text']

if msg.find(team) != -1:

i = i + 1

print("Team ", team, " mentioned ", i, " times.")

count\_tweets(doclist[:30], "Kentucky")

Output:

﻿def find\_team(tweets, team):

for tweet in tweets:

msg = tweet['text']

if msg.find(team) != -1:

print('Team Mentioned: ', msg)

find\_team(doclist[:10], "Kentucky")

Team Mentioned: RT @HowardWKYT: The final seconds of the Kentucky-North Carolina game was an emotional roller coaster for Big Blue fans. #marchmadness #WKY…

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Team Mentioned: RT @HowardWKYT: The final seconds of the Kentucky-North Carolina game was an emotional roller coaster for Big Blue fans. #marchmadness #WKY…

Team Mentioned: RT @marchmadness: For Kentucky and North Carolina fans, the end of yesterday's game was a roller-coaster of emotions. #MarchMadness https:/…

def count\_tweets(tweets, team):

i = 0

for tweet in tweets:

msg = tweet['text']

if msg.find(team) != -1:

i = i + 1

print("Team ", team, " mentioned ", i, " times.")

count\_tweets(doclist[:10], "Kentucky")

Team Kentucky mentioned 4 times.

count\_tweets(doclist[:30], "Kentucky")

Team Kentucky mentioned 13 times.