Joyce Woznica  
IST 652, Week 8

Activity 8.2: Twitter

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?

# URLs (counting)

# user:

# profile\_banner\_url

# profile\_image\_url\_htt\_

# profile\_image\_url

# profile\_background\_im\_

# profile\_sidebar\_border\_

# profile\_background\_im\_

# could search for "http:/" to get URLs - unsure how to do this!

Output:

﻿﻿﻿﻿ ﻿len(doclist)

Out[41]: 2000

# show difference from print

print(doclist[:1])

[{'\_id': ObjectId('5ebfd9e01981017cef553f16'), 'user': {'profile\_background\_tile': True, 'friends\_count': 217, 'profile\_sidebar\_fill\_color': 'EFEFEF', 'id\_str': '513196438', 'is\_translation\_enabled': False, 'profile\_link\_color': 'F70808', 'followers\_count': 256, 'location': '', 'protected': False, 'default\_profile\_image': False, 'contributors\_enabled': False, 'favourites\_count': 2187, 'profile\_background\_color': 'BFD0D9', 'statuses\_count': 1104, 'id': 513196438, 'profile\_banner\_url': 'https://pbs.twimg.com/profile\_banners/513196438/1437359097', 'created\_at': 'Sat Mar 03 13:54:37 +0000 2012', 'profile\_image\_url\_https': 'https://pbs.twimg.com/profile\_images/732514428051181568/OkOVa8Ia\_normal.jpg', 'time\_zone': 'Eastern Time (US & Canada)', 'follow\_request\_sent': None, 'listed\_count': 1, 'utc\_offset': -14400, 'lang': 'en', 'is\_translator': False, 'name': 'Will', 'description': "Do not worry about tomorrow, for tomorrow will worry about itself.-Matthew 6:34 HSC'20", 'profile\_use\_background\_image': True, 'verified': False, 'geo\_enabled': True, 'profile\_text\_color': '333333', 'profile\_image\_url': 'http://pbs.twimg.com/profile\_images/732514428051181568/OkOVa8Ia\_normal.jpg', 'entities': {'description': {'urls': []}}, 'notifications': None, 'url': None, 'translator\_type': 'none', 'has\_extended\_profile': True, 'default\_profile': False, 'screen\_name': 'frenchythe1st', 'following': None, 'profile\_background\_image\_url': 'http://pbs.twimg.com/profile\_background\_images/850934042/26e0a43c1f821ac098571fb3de80944c.jpeg', 'profile\_sidebar\_border\_color': 'FFFFFF', 'profile\_background\_image\_url\_https': 'https://pbs.twimg.com/profile\_background\_images/850934042/26e0a43c1f821ac098571fb3de80944c.jpeg'}, 'metadata': {'iso\_language\_code': 'en', 'result\_type': 'recent'}, 'favorited': False, 'in\_reply\_to\_user\_id': None, 'text': 'RT @HowardWKYT: The final seconds of the Kentucky-North Carolina game was an emotional roller coaster for Big Blue fans. #marchmadness #WKY…', 'retweet\_count': 9739, 'id': 846489633387089920, 'in\_reply\_to\_screen\_name': None, 'created\_at': 'Mon Mar 27 22:30:30 +0000 2017', 'is\_quote\_status': False, 'retweeted\_status': {'user': {'profile\_background\_tile': False, 'friends\_count': 573, 'profile\_sidebar\_fill\_color': 'C0DFEC', 'id\_str': '27059989', 'is\_translation\_enabled': False, 'profile\_link\_color': '0084B4', 'followers\_count': 3330, 'location': 'Lexington, KY', 'protected': False, 'default\_profile\_image': False, 'contributors\_enabled': False, 'favourites\_count': 1231, 'profile\_background\_color': '000000', 'statuses\_count': 9463, 'id': 27059989, 'profile\_banner\_url': 'https://pbs.twimg.com/profile\_banners/27059989/1431999643', 'created\_at': 'Fri Mar 27 18:09:16 +0000 2009', 'profile\_image\_url\_https': 'https://pbs.twimg.com/profile\_images/575376840304386049/atONJG3G\_normal.jpeg', 'time\_zone': 'Eastern Time (US & Canada)', 'follow\_request\_sent': None, 'listed\_count': 77, 'utc\_offset': -14400, 'lang': 'en', 'is\_translator': False, 'name': 'Lee K. Howard', 'description': 'Sports Anchor/Reporter for CBS/FOX in Lexington Kentucky, providing sports news and my random rants and chants!', 'profile\_use\_background\_image': True, 'verified': True, 'geo\_enabled': True, 'profile\_text\_color': '333333', 'profile\_image\_url': 'http://pbs.twimg.com/profile\_images/575376840304386049/atONJG3G\_normal.jpeg', 'entities': {'description': {'urls': []}, 'url': {'urls': [{'expanded\_url': 'http://www.facebook.com/profile.php?id=100003241678454', 'display\_url': 'facebook.com/profile.php?id…', 'indices': [0, 22], 'url': 'http://t.co/C2UFfLkjB1'}]}}, 'notifications': None, 'url': 'http://t.co/C2UFfLkjB1', 'translator\_type': 'none', 'has\_extended\_profile': False, 'default\_profile': False, 'screen\_name': 'HowardWKYT', 'following': None, 'profile\_background\_image\_url': 'http://pbs.twimg.com/profile\_background\_images/596008542/6qfqqg0jndpp3su53ay5.jpeg', 'profile\_sidebar\_border\_color': 'A8C7F7', 'profile\_background\_image\_url\_https': 'https://pbs.twimg.com/profile\_background\_images/596008542/6qfqqg0jndpp3su53ay5.jpeg'}, 'metadata': {'iso\_language\_code': 'en', 'result\_type': 'recent'}, 'favorited': False, 'in\_reply\_to\_user\_id': None, 'text': 'The final seconds of the Kentucky-North Carolina game was an emotional roller coaster for Big Blue fans.… https://t.co/TPZ6PuXHxH', 'possibly\_sensitive': False, 'retweet\_count': 9739, 'id': 846214230026178564, 'in\_reply\_to\_screen\_name': None, 'created\_at': 'Mon Mar 27 04:16:08 +0000 2017', 'is\_quote\_status': False, 'favorite\_count': 12590, 'contributors': None, 'lang': 'en', 'in\_reply\_to\_status\_id\_str': None, 'source': '<a href="http://twitter.com" rel="nofollow">Twitter Web Client</a>', 'in\_reply\_to\_status\_id': None, 'place': {'country': 'United States', 'contained\_within': [], 'id': '6ffcf3b0b904bbcb', 'country\_code': 'US', 'bounding\_box': {'type': 'Polygon', 'coordinates': [[[-89.57151, 36.497129], [-81.964971, 36.497129], [-81.964971, 39.147359], [-89.57151, 39.147359]]]}, 'place\_type': 'admin', 'full\_name': 'Kentucky, USA', 'url': 'https://api.twitter.com/1.1/geo/id/6ffcf3b0b904bbcb.json', 'name': 'Kentucky', 'attributes': {}}, 'entities': {'hashtags': [], 'urls': [{'expanded\_url': 'https://twitter.com/i/web/status/846214230026178564', 'display\_url': 'twitter.com/i/web/status/8…', 'indices': [106, 129], 'url': 'https://t.co/TPZ6PuXHxH'}], 'symbols': [], 'user\_mentions': []}, 'geo': None, 'truncated': True, 'coordinates': None, 'in\_reply\_to\_user\_id\_str': None, 'retweeted': False, 'id\_str': '846214230026178564'}, 'favorite\_count': 0, 'contributors': None, 'lang': 'en', 'in\_reply\_to\_status\_id\_str': None, 'source': '<a href="http://twitter.com/download/iphone" rel="nofollow">Twitter for iPhone</a>', 'in\_reply\_to\_status\_id': None, 'place': None, 'entities': {'hashtags': [{'indices': [121, 134], 'text': 'marchmadness'}], 'urls': [], 'symbols': [], 'user\_mentions': [{'indices': [3, 14], 'name': 'Lee K. Howard', 'id': 27059989, 'id\_str': '27059989', 'screen\_name': 'HowardWKYT'}]}, 'geo': None, 'truncated': False, 'coordinates': None, 'in\_reply\_to\_user\_id\_str': None, 'retweeted': False, 'id\_str': '846489633387089920'}]

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Date: Mon Mar 27 22:30:30 +0000 2017

From: Will

Screen Name: frenchythe1st

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

Date: Mon Mar 27 22:30:22 +0000 2017

From: Kahlen Donatell

Screen Name: KahDon

Message RT @WhistleSports: When you perfectly time the #UNC buzzer beater 😱🏀 #MarchMadness

(via:@SamuelGrubbs1 ) https://t.co/Ol2ibpZjB4

Date: Mon Mar 27 22:30:21 +0000 2017

From: Jesús

Screen Name: \_jonwilliams

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

Date: Mon Mar 27 22:30:14 +0000 2017

From: plug,

Screen Name: 21shawtyy

Message RT @BleacherReport: And then there were four... #MarchMadness https://t.co/0MbxpgAuUC

Date: Mon Mar 27 22:30:11 +0000 2017

From: Joni Dickerson

Screen Name: jonidickerson

Message RT @mycarolinastdnt: RT if you'll be cheering on @GamecockWBB and @dawnstaley tonight. Let's Go Gamecocks! #MarchMadness