Untitled

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# Simple program in R to fetch tweets from any twitter handle

##twitteR package gets the tweets   
library("twitteR")  
## ROAuth helps in establishing connection with twitter and other social media sites  
library("ROAuth")  
  
## Set Options  
options(httr\_oauth\_cache=T)

### Set API Keys

#### To access data from Twitter we need to get API keys which can be generated by creating a new app at <https://apps.twitter.com/>

# Set API Keys  
#api\_key <- "\*\*\*\*\*\*"  
#api\_secret <- "\*\*\*\*\*\*"  
#access\_token <- "\*\*\*\*\*\*"  
#access\_token\_secret <- "\*\*\*\*\*"  
  
setup\_twitter\_oauth(api\_key, api\_secret, access\_token, access\_token\_secret)

## [1] "Using direct authentication"

# Set search string  
search.string <- "@MakeMyTripIndia"  
  
# Get 5 tweets on the MMT handle  
tweets <- searchTwitter(search.string, n=5, lang="en", since=NULL, until=NULL, retryOnRateLimit=10)  
  
## Let's check the data in the tweets object  
head(tweets)

## [[1]]  
## [1] "TusharAvinash: RT @avinash2584: @makemytripcare @MakeMyTripIndia Booked and made full payment on 8th but still waiting for flight tickets, Hotel &amp; other v<U+0085>"  
##   
## [[2]]  
## [1] "greeshma15: @makemytrip My team is trying to get an issue resolved for 4 days and its all in vain. Pathetic customer care! All<U+0085> https://t.co/1j9IkX1Zf8"  
##   
## [[3]]  
## [1] "avinash2584: @makemytripcare @MakeMyTripIndia It<U+0092>s international holiday package"  
##   
## [[4]]  
## [1] "avinash2584: @makemytripcare @MakeMyTripIndia Booked and made full payment on 8th but still waiting for flight tickets, Hotel &amp;<U+0085> https://t.co/d4Uzl5Lqzy"  
##   
## [[5]]  
## [1] "Yasmine70272991: RT @AnkushSona1986: @MakeMyTrip\_Pub @MakeMyTripIndia after security deposit hotel allow to check in this type service provide to customer<U+0085>"

## Get 100 tweets where this word has been used  
ut <- userTimeline('MakeMyTripIndia', n=100)  
  
mmt\_df <- do.call("rbind", lapply(ut, as.data.frame))  
  
## Let's check the column names in the usertimeline data frame  
names(mmt\_df)

## [1] "text" "favorited" "favoriteCount" "replyToSN"   
## [5] "created" "truncated" "replyToSID" "id"   
## [9] "replyToUID" "statusSource" "screenName" "retweetCount"   
## [13] "isRetweet" "retweeted" "longitude" "latitude"

## Let's view the first 10 rows  
head(mmt\_df, n =10)

## text  
## 1 The #WorldsCup is here. https://t.co/gqF4p6feV7  
## 2 Capitalist network that runs the whole world! http://t.co/IxtulS9P  
## 3 20 Riskiest Business Moves Of 2011! http://t.co/10Xz2xXY #business #Acquisitions  
## 4 Three women charged in sex attacks on men. "17 men came & positively identified the women as having raped them" indeed! http://t.co/Ar18Ob0N  
## 5 Occupy Wall Street protests go global.. http://t.co/kkTiwZZz  
## 6 Hey You!! Yes you, you're mobile phone is killing millions of people in Congo.. Shame on you! http://t.co/ne2xDBIJ #Bloodinthemobile  
## 7 Apparently there is a black market where you can buy shoplifted meat! http://t.co/L8DMNFHd #Bizarrebazar  
## 8 7 biggest misconceptions about #thai food! http://t.co/J2LAG9R  
## 9 #Google begins #Amazon river street view project!! http://t.co/ytkeKCh  
## 10 God disrupts Pope's speech! http://t.co/i2cITQa  
## favorited favoriteCount replyToSN created truncated  
## 1 FALSE 3 NA 2014-04-02 10:26:00 FALSE  
## 2 FALSE 0 NA 2011-10-24 12:39:18 FALSE  
## 3 FALSE 1 NA 2011-10-18 13:33:03 FALSE  
## 4 FALSE 1 NA 2011-10-16 07:53:43 FALSE  
## 5 FALSE 0 NA 2011-10-16 06:47:09 FALSE  
## 6 FALSE 0 NA 2011-10-11 09:11:43 FALSE  
## 7 FALSE 0 NA 2011-09-19 12:08:45 FALSE  
## 8 FALSE 0 NA 2011-08-22 12:32:08 FALSE  
## 9 FALSE 1 NA 2011-08-22 11:59:35 FALSE  
## 10 FALSE 0 NA 2011-08-21 13:14:16 FALSE  
## replyToSID id replyToUID  
## 1 NA 451304535315992576 NA  
## 2 NA 128450493306519552 NA  
## 3 NA 126289692323880960 NA  
## 4 NA 125479521599234048 NA  
## 5 NA 125462766453669890 NA  
## 6 NA 123687207985872896 NA  
## 7 NA 115759227288563714 NA  
## 8 NA 105618254524989441 NA  
## 9 NA 105610059928707072 NA  
## 10 NA 105266467754344448 NA  
## statusSource  
## 1 <a href="http://twitter.com" rel="nofollow">Twitter Web Client</a>  
## 2 <a href="http://bitly.com" rel="nofollow">bitly bitlink</a>  
## 3 <a href="http://bitly.com" rel="nofollow">bitly bitlink</a>  
## 4 <a href="http://bitly.com" rel="nofollow">bitly bitlink</a>  
## 5 <a href="http://bitly.com" rel="nofollow">bitly bitlink</a>  
## 6 <a href="http://bitly.com" rel="nofollow">bitly bitlink</a>  
## 7 <a href="http://bitly.com" rel="nofollow">bitly bitlink</a>  
## 8 <a href="http://bitly.com" rel="nofollow">bitly bitlink</a>  
## 9 <a href="http://bitly.com" rel="nofollow">bitly bitlink</a>  
## 10 <a href="http://bitly.com" rel="nofollow">bitly bitlink</a>  
## screenName retweetCount isRetweet retweeted longitude latitude  
## 1 MakeMyTripIndia 2 FALSE FALSE NA NA  
## 2 MakeMyTripIndia 1 FALSE FALSE NA NA  
## 3 MakeMyTripIndia 0 FALSE FALSE NA NA  
## 4 MakeMyTripIndia 0 FALSE FALSE NA NA  
## 5 MakeMyTripIndia 1 FALSE FALSE NA NA  
## 6 MakeMyTripIndia 0 FALSE FALSE NA NA  
## 7 MakeMyTripIndia 0 FALSE FALSE NA NA  
## 8 MakeMyTripIndia 0 FALSE FALSE NA NA  
## 9 MakeMyTripIndia 2 FALSE FALSE NA NA  
## 10 MakeMyTripIndia 0 FALSE FALSE NA NA