

Analysing Twitter for Ubisoft

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8.1 Analysing the Relationship Between Friends and Followers for Twitter Users

8.1.1 Retrieve the posts from Twitter

relevant posts can be retrieved from twitter by leveraging the `rtweet` package, packages can be loaded for use in **R** thusly:

```
# Load Packages -----
setwd("~/Dropbox/Notes/DataSci/Social_Web_Analytics/SWA-Project/scripts/")

if (require("pacman")) {
  library(pacman)
} else{
  install.packages("pacman")
  library(pacman)
}

pacman::p_load(xts, sp, gstat, ggplot2, rmarkdown, reshape2, ggmap, parallel,
              dplyr, plotly, tidyverse, reticulate, UsingR, Rmpfr, swirl,
              corrplot, gridExtra, mise, latex2exp, tree, rpart, lattice, coin,
              primes, epitools, maps, clipr, ggmap, twitterR, ROAuth, tm,
              rtweet, base64enc, httpuv, SnowballC, RColorBrewer, wordcloud,
              ggwordcloud)
```

The `rtweet` API will search for tweets that contain all the words of a query regardless of uppercase or lowercase usage [1].

and all tweets containing a mention of *Ubisoft* can be returned:

```
# Set up Tokens =====

options(RCurlOptions = list(
  verbose = FALSE,
  capath = system.file("CurlSSL", "cacert.pem", package = "RCurl"),
  ssl.verifypeer = FALSE
))

setup_twitter_oauth(
  consumer_key = "*****",
  consumer_secret = "*****",
  access_token = "*****",
  access_secret = "*****"
)

# rtweet =====
tk <- rtweet::create_token(
  app = "SWA",
  consumer_key = "*****",
  consumer_secret = "*****",
  access_token = "*****",
  access_secret = "*****",
  set_renv = FALSE
)
```

References

references

References

- [1] Michael Kearney. *Get Tweets Data on Statuses Identified via Search Query*. — *Search_tweets*. en. Manual. 2019. URL: https://rtweet.info/reference/search_tweets.html (visited on 04/26/2020) (cit. on p. 1).