academictwitteR Twitch talk

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Intro

Structure of intro. talk

- Installation and authorization
- Data storage
- Convenience functions
- Query building

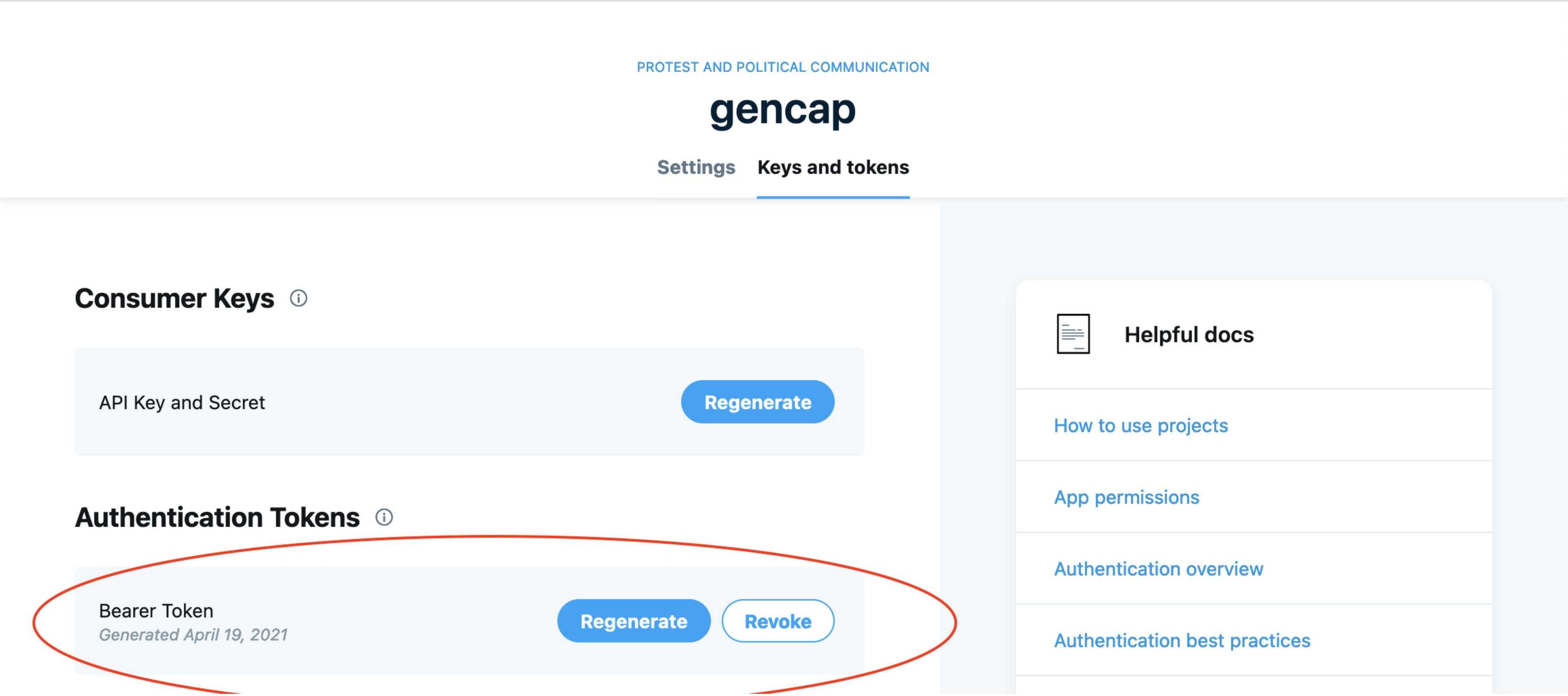
Installation and authorization

```
library(academictwitteR)
```

OR

```
devtools::install_github("cjbarrie/academictwitteR", build_vignettes = T)
```

Authorization instructions available as CRAN vignette.



PROTEST AND POLITICAL COMMUNICATION

gencap

Consumer Keys

API Key and Secret

Authentication Tokens

Bearer Token
Generated April 19, 2021

Installation and authorization

```
bearer_token <- "" # Insert bearer token
```

Data storage

1. Storage in .rds format
2. Returned as data.frame object

```
tweets <-
  get_all_tweets(
    "#BLM OR #BlackLivesMatter",
    "2020-01-01T00:00:00Z",
    "2020-01-05T00:00:00Z",
    bearer_token,
    file = "blmtweets"
  )
```

Data storage

1. Storage in JSON format
2. In named directory
3. Recovery functions
4. Bind functions

```
# Note: not passing to an object because nothing returned

get_all_tweets(
  "#BLM OR #BlackLivesMatter",
  "2020-01-01T00:00:00Z",
  "2020-01-05T00:00:00Z",
  bearer_token,
  data_path = "data/"
  bind_tweets = FALSE
 )
```

Data storage

```
resume_collection(data_path = "data", bearer_token)
```

Data storage

```
update_collection(data_path = "data", end_tweets = "2020-01-10T00:00:00Z", bearer_token)
```

Data storage

```
tweets <- bind_tweet_jsons(data_path = "data/")
```

Main functions

Getting tweets

```
tweets <-
  get_all_tweets(
    "#BLM OR #BlackLivesMatter",
    "2020-01-01T00:00:00Z",
    "2020-01-05T00:00:00Z",
    bearer_token,
    data_path = "data/"
    bind_tweets = FALSE
  )
```

Main functions

Getting user tweets

```
users <- c("TwitterDev", "jack")
tweets <-
  get_user_tweets(
    users,
    "2010-01-01T00:00:00Z",
    "2020-01-01T00:00:00Z",
    bearer_token,
    data_path = "data/"
    bind_tweets = FALSE
  )
```

Convenience functions

Getting image tweets

```
tweets <-
  get_image_tweets(
    "#BLM OR #BlackLivesMatter",
    "2020-01-01T00:00:00Z",
    "2020-01-05T00:00:00Z",
    bearer_token,
    data_path = "data/"
    bind_tweets = FALSE
  )
```

Convenience functions

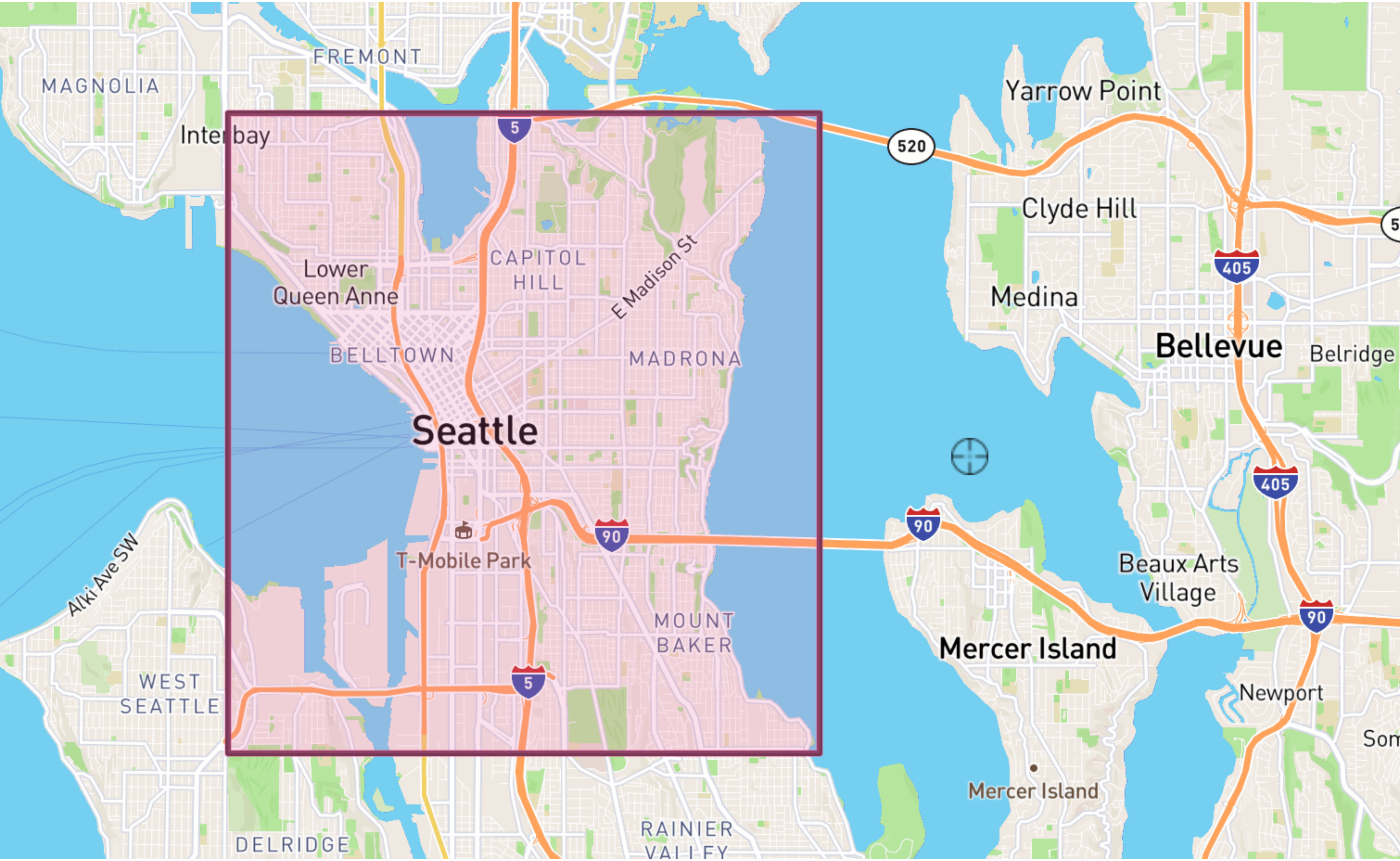
Getting video tweets

```
tweets <-
  get_video_tweets(
    "#BLM OR #BlackLivesMatter",
    "2020-01-01T00:00:00Z",
    "2020-01-05T00:00:00Z",
    bearer_token,
    data_path = "data/"
    bind_tweets = FALSE
  )
```

Query building

Building manually

```
tweets <-
  get_all_tweets(
    "#BLM OR #BlackLivesMatter place_country:US lang:en -is:retweet has:images",
    "2020-01-01T00:00:00Z",
    "2020-01-05T00:00:00Z",
    bearer_token
  )
```


FREMONT
MAGNOLIA
Interbay
Yarrow Point
520
Clyde Hill
405
Medina
Lower Queen Anne
CAPITOL HILL
E Madison St
MADRONA
BELLTOWN
Bellevue
Belridge
Seattle
5
90
T-Mobile Park
Alki Ave SW
Beaux Arts Village
MOUNT BAKER
Mercer Island
WEST SEATTLE
Newport
Mercer Island
DELRIDGE
RAINIER VALLEY

Query building

Building manually

```
tweets <-
  get_all_tweets(
    "#BLM OR #BlackLivesMatter bounding_box:[-122.375679 47.563554 -122.266159 47.643417] lang:e
    "2020-01-01T00:00:00Z",
    "2020-01-05T00:00:00Z",
    bearer_token
  )
```

Query building

Using query builder

```
query <- build_query(query = "#BLM", geo_query = TRUE)
```

```
Which geo buffer type type do you want?

1: Point radius
2: Bounding box


Selection: 2
What is west longitude? -122.375679
What is south latitude? 47.563554
What is east longitude? -122.266159
What is north latitude? 47.643417
```

And we get:

```
query
```

```
## [1] "#BLM -is:retweet bounding_box:[-122.375679 47.563554 -122.266159 47.643417] has:images lang:en"
```