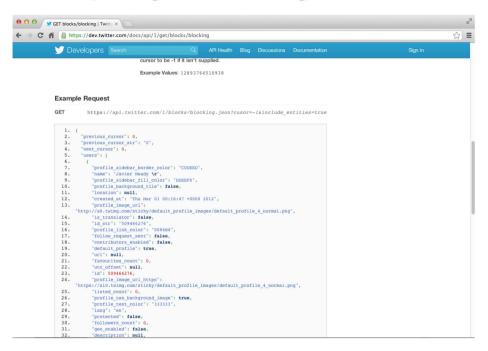


# Reading data from APIs

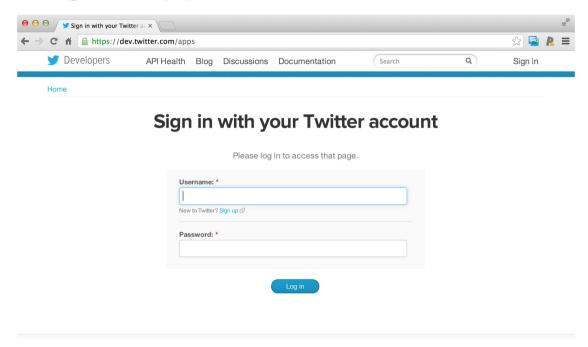
Jeffrey Leek
Johns Hopkins Bloomberg School of Public Health

## **Application programming interfaces**



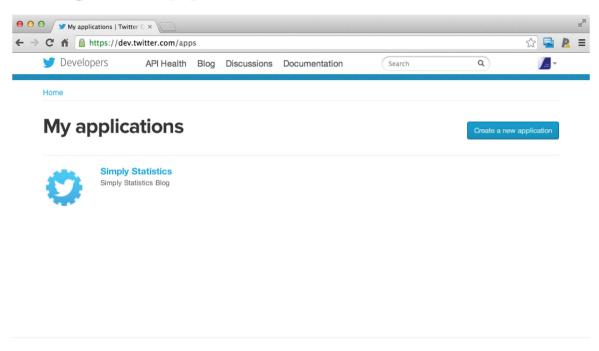
https://dev.twitter.com/docs/api/1/get/blocks/blocking

# **Creating an application**

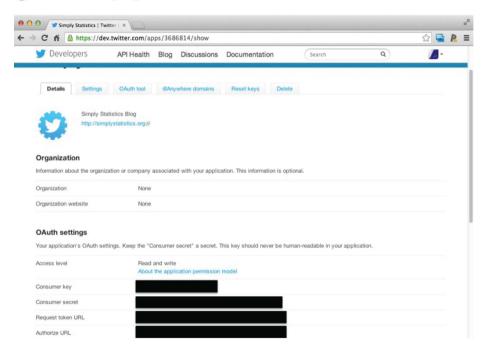


https://dev.twitter.com/apps)

## **Creating an application**



# **Creating an application**



## **Accessing Twitter from R**

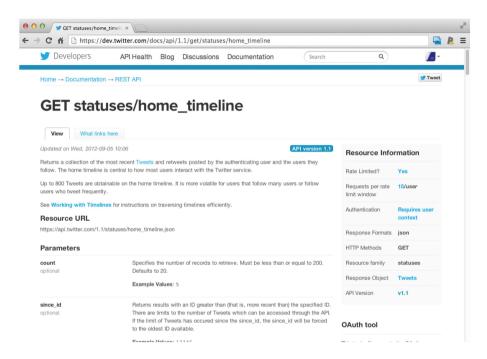
#### Converting the json object

```
json1 = content(homeTL)
json2 = jsonlite::fromJSON(toJSON(json1))
json2[1,1:4]
```

```
created at
                                      id
                                                   id str
1 Mon Jan 13 05:18:04 +0000 2014 4.225984e+17 422598398940684288
```

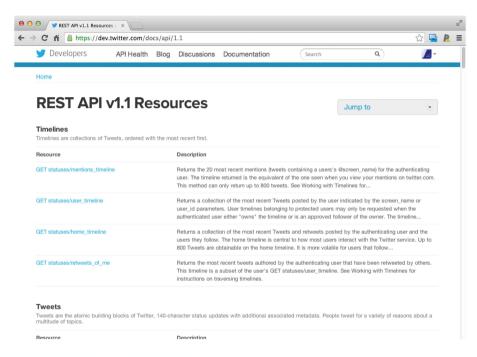
1 Now that P. Norvig's regex golf IPython notebook hit Slashdot, let's see if our traffic spike tops the

#### How did I know what url to use?



https://dev.twitter.com/docs/api/1.1/get/search/tweets

#### In general look at the documentation



https://dev.twitter.com/docs/api/1.1/overview

#### In general look at the documentation

- · httr allows GET, POST, PUT, DELETE requests if you are authorized
- · You can authenticate with a user name or a password
- · Most modern APIs use something like oauth
- · httr works well with Facebook, Google, Twitter, Githb, etc.