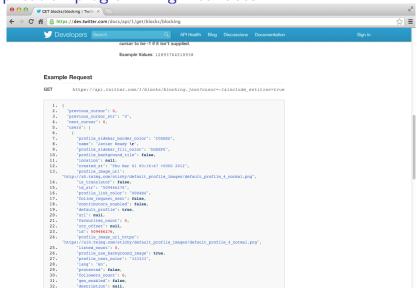
Reading data from APIs

Jeffrey Leek

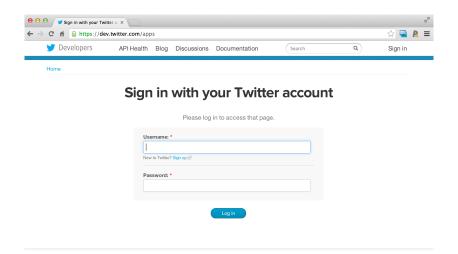
May 18, 2016

Application programming interfaces



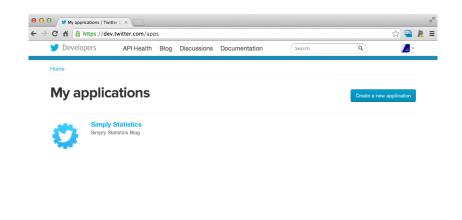
https:

Creating an application

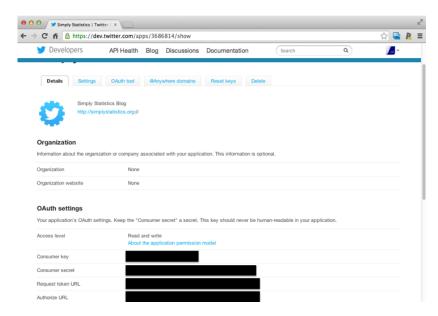


https://dev.twitter.com/apps

Creating an application



Creating an application



Accessing Twitter from R

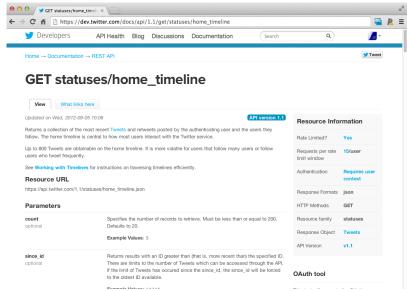
Converting the json object

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

```
created_at id 1 Mon Jan 13 05:18:04 +0000 2014 4.225984e+17 4225983989406
```

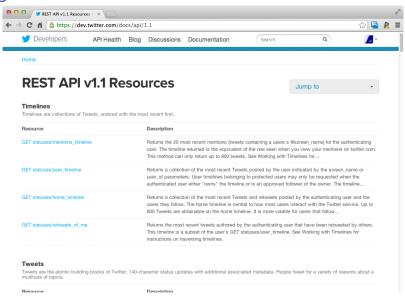
1 Now that P. Norvig's regex golf IPython notebook hit Slas

How did I know what url to use?



https:

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.