# Package 'fitbitScraper'

October 13, 2022

**Title** Scrapes Data from Fitbit

**Version** 0.1.8

**Author** Cory Nissen <corynissen@gmail.com> [aut, cre]

**Maintainer** Cory Nissen <corynissen@gmail.com>

**Description** Scrapes data from Fitbit <http://www.fitbit.com>. This does not use the official API, but instead uses the API that the web dashboard uses to generate the graphs displayed on the dashboard after login at <http://www.fitbit.com>.

**Depends** R (>= 3.0.0)

**License** MIT + file LICENSE

**LazyData** true

**Imports** httr, stringr, jsonlite, methods, utils

**URL** https://github.com/corynissen/fitbitScraper

**RoxygenNote** 6.0.1

**Suggests** knitr, rmarkdown, ggplot2, ggthemes

**VignetteBuilder** knitr

**NeedsCompilation** no

**Repository** CRAN

**Date/Publication** 2017-04-13 22:12:40 UTC

## R topics documented:

---

get_activity_data          *Get activity data from fitbit.com*

---

### Description

Get activity data from fitbit using cookie returned from login function

### Usage

```
get_activity_data(cookie, end_date)
```

### Arguments

| | |
|---|---|
| cookie | Cookie returned after login, specifically the "u" cookie |
| end_date | Date in YYYY-MM-DD format |

### Value

A dataframe with raw output from Fitbit

### Examples

```
## Not run:
get_activity_data(cookie, end_date="2015-01-20")

## End(Not run)
get_activity_data
```

---

get_daily_data          *Get daily data from fitbit.com*

---

### Description

Get daily data from fitbit using cookie returned from login function

### Usage

```
get_daily_data(cookie, what = "steps", start_date, end_date)
```

### Arguments

| | |
|---|---|
| cookie | Cookie returned after login, specifically the "u" cookie |
| what | What data you wish to be returned. Options include "steps", "distance", "floors", "minutesVery", "caloriesBurnedVsIntake", "minutesSedentary", "getTimeInHeartRate-ZonesPerDay", "getRestingHeartRateData" |
| start_date | Date in YYYY-MM-DD format |
| end_date | Date in YYYY-MM-DD format |

## Value

A dataframe with two columns:

time        A POSIXct time value

data        The data column corresponding to the choice of "what"

## Examples

```
## Not run:
get_daily_data(cookie, what="steps", start_date="2015-01-13", end_date="2015-01-20")

## End(Not run)
get_daily_data
```

---

get_intraday_data        *Get intraday data from fitbit.com*

---

## Description

Get intraday data from fitbit using cookie returned from login function

## Usage

```
get_intraday_data(cookie, what = "steps", date)
```

## Arguments

cookie        Cookie returned after login, specifically the "u" cookie

what        What data you wish to be returned. Options include "steps", "distance", "floors", "active-minutes", "calories-burned", "heart-rate"

date        Date in YYYY-MM-DD format

## Value

A dataframe with two columns:

time        A POSIXct time value

data        The data column corresponding to the choice of "what"

## Examples

```
## Not run:
get_intraday_data(cookie, what="steps", date="2015-01-20")

## End(Not run)
get_intraday_data
```

get_premium_export        *Get official data export from fitbit.com premium*

### Description

Get official data export from fitbit premium using cookie returned from login function. This should be used over individual calls to get_daily_data(), etc. if you subscribe to premium and data export is allowed. I'm not subscribed to premium, but it works for me...

### Usage

```
get_premium_export(cookie, what = "ACTIVITIES", start_date = "2015-01-13",
  end_date = "2015-01-20")
```

### Arguments

| | |
|---|---|
| cookie | Cookie returned after login, specifically the "u" cookie |
| what | What data you wish to be returned. Options include "BODY", "FOODS", "AC-TIVITIES", "SLEEP" |
| start_date | Date in YYYY-MM-DD format |
| end_date | Date in YYYY-MM-DD format |

### Value

A list with two things

| | |
|---|---|
| summary | A list of sleep summary values |
| df | A data frame containing various sleep values over time |

### Examples

```
## Not run:
get_premium_export(cookie, what="ACTIVITIES", start_date="2015-01-13", end_date="2015-01-20")

## End(Not run)
get_premium_export
```

---

get_sleep_data          *Get sleep data from fitbit.com*

---

### Description

Get sleep data from fitbit using cookie returned from login function

### Usage

```
get_sleep_data(cookie, start_date = "2015-01-13", end_date = "2015-01-20")
```

### Arguments

| | |
|---|---|
| cookie | Cookie returned after login, specifically the "u" cookie |
| start_date | Date in YYYY-MM-DD format |
| end_date | Date in YYYY-MM-DD format |

### Value

A list with two things

| | |
|---|---|
| summary | A list of sleep summary values |
| df | A data frame containing various sleep values over time |

### Examples

```
## Not run:
get_sleep_data(cookie, start_date="2015-01-13", end_date="2015-01-20")

## End(Not run)
get_sleep_data
```

---

get_weight_data          *Get weight data from fitbit.com*

---

### Description

Get weight data from fitbit using cookie returned from login function

### Usage

```
get_weight_data(cookie, start_date, end_date)
```

## Arguments

| | |
|---|---|
| cookie | Cookie returned after login, specifically the "u" cookie |
| start_date | Date in YYYY-MM-DD format |
| end_date | Date in YYYY-MM-DD format |

## Value

A dataframe with two columns:

| | |
|---|---|
| time | A POSIXct time value |
| weight | The data column corresponding to weight |

## Examples

```
## Not run:
get_weight_data(cookie, start_date="2015-01-13", end_date="2015-01-20")

## End(Not run)
get_weight_data
```

---

login                          *Login to fitbit.com and get cookie*

---

## Description

Get the login cookie after login at www.fitbit.com

## Usage

```
login(email, password, rememberMe = FALSE)
```

## Arguments

| | |
|---|---|
| email | Email address used to login to fitbit.com |
| password | Password used to login to fitbit.com |
| rememberMe | Value for rememberMe during login, default is FALSE, but changing to TRUE may help with login issues |

## Value

A string containing the cookie that is returned after login at www.fitbit.com

## Examples

```
## Not run:
cookie <- login(email="corynissen<at>gmail.com", password="mypasswordhere")

## End(Not run)
login
```

# Index