

# Package ‘fitbitScraper’

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**Title** Scrapes Data from Fitbit

**Version** 0.1.8

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**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** htrr, 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

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get_activity_data	<i>Get activity data from fitbit.com</i>
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**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
```

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get_daily_data	<i>Get daily data from fitbit.com</i>
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**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", "getTimeInHeartRateZonesPerDay", "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
```

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get_intraday_data	<i>Get intraday data from fitbit.com</i>
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**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
```

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get\_premium\_export      *Get official data export from fitbit.com premium*

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## 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", "ACTIVITIES", "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
```

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get_sleep_data	<i>Get sleep data from fitbit.com</i>
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**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
```

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get_weight_data	<i>Get weight data from fitbit.com</i>
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**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
```

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login	<i>Login to fitbit.com and get cookie</i>
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**Description**

Get the login cookie after login at [www.fitbit.com](http://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](http://www.fitbit.com)

**Examples**

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

## End(Not run)
login
```

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