

# 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** 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

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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 | <i>Get official data export from fitbit.com premium</i> |
|--------------------|---------------------------------------------------------|

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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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