

Package ‘fitbitScraper’

August 29, 2016

Title Scrapes Data from Fitbit

Version 0.1.7

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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)

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LazyData true

Imports httr, stringr, jsonlite, methods, utils

URL <https://github.com/corynissen/fitbitScraper>

RoxygenNote 5.0.1

Suggests knitr, rmarkdown, ggplot2, ggthemes

VignetteBuilder knitr

NeedsCompilation no

Repository CRAN

Date/Publication 2016-05-19 20:31:18

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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 thirteen columns:

id	The fitbit ID of the activity
name	Name for the type of activity
date	Date of the activity
start_time	Start time for the activity
distance	Distance travelled during the activity
duration	Duration in hours:minutes:seconds of the activity
calories	Calories burned during the activity
steps	Steps taken the activity
start_datetime	A POSIXct encoded start time for the activity
end_datetime	A POSIXct encoded end time for the activity

Examples

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

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", "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
```

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
```

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
```

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
```

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
```

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

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
```

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