

Package ‘scrobbler’

October 20, 2019

Type Package

Title Download 'Scrobbles' from 'Last.fm'

Version 0.2.12

Author Conor Neilson

Maintainer Conor Neilson <condwanaland@gmail.com>

Description 'Last.fm'<<https://www.last.fm>> is a music platform focussed on building a detailed profile of a users listening habits. It does this by 'scrobbling' (recording) every track you listen to on other platforms ('spotify', 'youtube', 'soundcloud' etc) and transferring them to your 'Last.fm' database. This allows 'Last.fm' to act as a complete record of your entire listening history. 'scrobbler' provides helper functions to download and analyse your listening history in R.

License GPL-3

Encoding UTF-8

LazyData true

RoxygenNote 6.1.1

Suggests testthat, knitr, rmarkdown

URL <https://github.com/condwanaland/scrobbler>

BugReports <https://github.com/condwanaland/scrobbler/issues>

Imports anytime, httr, jsonlite

VignetteBuilder knitr

NeedsCompilation no

Repository CRAN

Date/Publication 2019-10-20 21:20:02 UTC

R topics documented:

check_py_script	2
convert	2
download_scrobbles	3

fetch_tracks	4
find_py_script	4
install_scrobble_script	5
py_path	5
py_version	6
read_scrobbles	6

Index	7
--------------	----------

check_py_script	<i>check_py_script</i>
-----------------	------------------------

Description

Checks that the py script to scrape tracks exists in your working directory

Usage

```
check_py_script(py_version)
```

Arguments

py_version Which version of python you want to use. One of '2' or '3'.

Value

Character vector

Examples

```
check_py_script(2)
check_py_script("3")
```

convert	<i>convert</i>
---------	----------------

Description

Convert a unix timestamp to either a datestamp or timestamp

Usage

```
convert(unix_col, to, ...)
```

Arguments

unix_col A column in a dataframe of 10 digit unix numbers.
to One of 'Date' or 'Time'. Determines whether you get a datestamp of timestamp.
... Additional arguments to be passed to anytime::anytime or anytime::anydate.

Value

Date vector

Examples

```
unix_time <- "1522124746"  
timestamp <- convert(unix_time, to = "Time")  
  
my_tracks <- read_scrobbles(system.file("extdata", "scrobbles.txt", package = "scrobbler"))  
my_tracks$Date <- convert(my_tracks$Date, to = "Time")
```

download_scrobbles *download_scrobbles*

Description

download_scrobbles

Usage

```
download_scrobbles(username, api_key)
```

Arguments

username Your last.fm account username
api_key Your last.fm account api key

Value

A dataframe of songs and associated metadata

Examples

```
## Not run:  
download_scrobbles(username = "your_username", api_key = "your_api_key")  
  
## End(Not run)
```

fetch_tracks	<i>fetch_tracks</i>
--------------	---------------------

Description

Runs a script in your working directory called 'lastexport.py'

Usage

```
fetch_tracks(username, out_file, start_page = NULL)
```

Arguments

username	Username of last.fm account to fetch scrobbles from
out_file	Name of output file to save tracks to (i.e., scrobbles.txt)
start_page	Page to start from. Defaults to 1

Value

.txt file of scrobbled tracks

Examples

```
## Not run:  
fetch_tracks("your_username", out_file = "scrobbles.txt", start_page = 1)  
  
## End(Not run)
```

find_py_script	<i>find_py_script</i>
----------------	-----------------------

Description

Returns the file path to a py script

Usage

```
find_py_script(version)
```

Arguments

version	One of '2' or '3'. Specifies which version of python you will be running
---------	--

Value

File path

Examples

```
find_py_script(version = "3")
```

```
install_scrobble_script  
install_export_script
```

Description

Copies the script used to scrape scrobbles into your working directory. Necessary in order to run 'fetch_tracks'

Usage

```
install_scrobble_script(version)
```

Arguments

version Which version of python to run. One of '2' or '3'.

Value

Invisibly returns TRUE or FALSE, indicating whether the file copy was successful.

Examples

```
install_scrobble_script(version = "3")
```

```
py_path            py_path
```

Description

Returns the path to your python installation

Usage

```
py_path()
```

Value

Character vector

Examples

```
py_path()
```

py_version	<i>py_version</i>
------------	-------------------

Description

Returns the version of python you are using

Usage

```
py_version()
```

Value

Character vector

Examples

```
py_version()
```

read_scrobbles	<i>read_scrobbles</i>
----------------	-----------------------

Description

Wrapper around read_delim to correctly read a scrobbled tracks file.

Usage

```
read_scrobbles(file, convert_time = "None", ...)
```

Arguments

file	A .txt file from the output of 'fetch_tracks'
convert_time	One of 'None', 'Date', 'Time'. Determines what format to put the Date column in. Either as a datestamp ('Date'), timestamp ('Time'), or (the default) left as a UNIX timestamp ('None').
...	Additional arguments to pass to 'read_delim'

Value

A dataframe

Examples

```
my_tracks <- read_scrobbles(system.file("extdata", "scrobbles.txt", package = "scrobbler"),
  convert_time = "Date")
```

Index

check_py_script, 2
convert, 2

download_scrobbles, 3

fetch_tracks, 4
find_py_script, 4

install_scrobbler_script, 5

py_path, 5
py_version, 6

read_scrobbles, 6