

Package: skyphone (via r-universe)

August 17, 2024

Title Fetch, Sonify And Plot GitHub Skyline Data

Version 0.0.0.9000

Description Fetch contributions data for a given GitHub user in a given year via the GitHub Skyline API, with functions for presenting in audio or visual formats.

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Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

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Imports dplyr, ggplot2, jsonlite, magrittr, rlang (>= 0.1.2), sonify, tidy, tuneR

Suggests roxygen2

Repository <https://matt-dray.r-universe.dev>

RemoteUrl <https://github.com/matt-dray/skyphone>

RemoteRef HEAD

RemoteSha 10f56c9878383a8883ba4adb42340ea4803fbaf7

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|---------|----------------------------------|
| sky_get | <i>Fetch GitHub Skyline Data</i> |
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Description

Construct a GitHub Skyline API path for a given user and year, fetch and augment the data, and convert to a tidy tabular format.

Usage

```
sky_get(user, year = 2020)
```

Arguments

| | |
|------|--|
| user | Character string. A GitHub user whose contributions you want to fetch. |
| year | Single numeric value. The year for which you want to collect the contribution count. |

Value

A data.frame/tibble with columns user, year, week, day, date and count. Row count will be 365 or 366 if a leap year.

Examples

```
## Not run: sky_get(user = "matt-drax", year = 2020)
```

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| sky_plot | <i>Plot A GitHub Skyline Dataset</i> |
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Description

Produce a simple, opinionated plot of GitHub Skyline data showing contribution count over time for a given year.

Usage

```
sky_plot(data)
```

Arguments

| | |
|------|---|
| data | A data.frame/tibble. An object output from sky_get containing the GitHub contributions data for a given user in a given year. |
|------|---|

Value

A gg/ggplot-class object.

Examples

```
## Not run:
d <- sky_get(user = "matt-dray", year = 2020)
sky_plot(d)

## End(Not run)
```

sky_sonify

Sonify A GitHub Skyline Dataset

Description

Present GitHub Skyline contributions data in audio format using the sonify package.

Usage

```
sky_sonify(data, play = TRUE, out_dir = NULL)
```

Arguments

| | |
|---------|---|
| data | A data.frame/tibble. An object output from sky_get containing the GitHub contributions data for a given user in a given year. |
| play | Logical. Should the audio be played? Defaults to TRUE |
| out_dir | Character. The folder to which the audio file will be saved. Defaults to NULL (no file is saved). |

Value

A WaveMC-class object, plus optional audio output and a .wav file.

Examples

```
## Not run:
d <- sky_get(user = "matt-dray", year = 2020)
sky_sonify(d, play = FALSE, out_dir = "~/Desktop")

## End(Not run)
```

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