

Package ‘hystReet’

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Type Package

Title Get Pedestrian Frequency Data from the 'Hystreet' Project

Date 2022-11-24

Version 0.0.3

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Description An R API wrapper for the 'Hystreet' project <<https://hystreet.com>>. 'Hystreet' provides pedestrian counts in different cities in Germany.

URL <https://github.com/JohannesFriedrich/hystReet>

BugReports <https://github.com/JohannesFriedrich/hystReet/issues>

License GPL-2

Depends R (>= 3.5.0), httr, jsonlite, lubridate

Suggests dplyr, ggplot2, htmltools, knitr, rmarkdown, scales

LazyData true

RoxygenNote 7.2.2

Encoding UTF-8

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

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hystReet-package	<i>hystReet</i>
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Description

An R API wrapper for the hystreet project. Download and analyse environmental data provided by <https://hystreet.com/>

Details

Package: hystReet
 Type: Package
 Version: 0.0.3
 Date: 2022-11-24
 License: GPL-2

corona_data_all	<i>Downloaded data for the vignette</i>
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Description

Downloaded data for the vignette

Format

[data.frame] with all available stations in March 2020

Author(s)

Johannes Friedrich

data_73_74	<i>Downloaded data for the vignette</i>
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Description

Downloaded data for the vignette

Format

[data.frame] with pedestrians counta from January 2019

Author(s)

Johannes Friedrich

get_hystreet_locations	<i>Get station IDs of the Hystreet project</i>
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Description

Get station IDs of the Hystreet project

Usage

```
get_hystreet_locations(API_token = NULL)
```

Arguments

API_token **character (optional)**: API key to get access to Hystreet API

Value

[data.frame](#) with parsed data from hystreet API

Function version

0.0.2

Author(s)

Johannes Friedrich

Examples

```
## Not run:  
get_hystreet_locations()  
  
## End(Not run)
```

`get_hystreet_station_data`

Get data from a specific location from the Hystreet Project via Hystreet API

Description

Get data from a specific location from the Hystreet Project via Hystreet API

Usage

```
get_hystreet_station_data(  
  hystreetId = NULL,  
  query = NULL,  
  no_metadata = FALSE,  
  API_token = NULL  
)
```

Arguments

<code>hystreetId</code>	integer (required) : ID of the requested station. See get_hystreet_locations() for an overview of available IDs.
<code>query</code>	list (optional) : A list with queries. Up to date the following queries are supported: <ul style="list-style-type: none">• <code>from</code>: datetime of earliest measurement (default: today 00:00:00): e.g. "2018-10-01 12:00:00" or "2018-10-01"• <code>to</code>: datetime of latest measurement (default: today 23:59:59): e.g. "2018-01-12 12:00:00" or "2018-12-01"• <code>resolution</code>: Resolution for the measurement grouping (default: hour): "day", "hour", "month", "week"
<code>no_metadata</code>	logical (optional) : If set to TRUE, the result contains no meta data but only a clean data frame with the measurements of the requested station. Defaults to FALSE.
<code>API_token</code>	character (optional) : API key to get access to Hystreet API

Value

[data.frame](#) with parsed data from hystreet API

Function version

0.0.3

Author(s)

Johannes Friedrich, Yannik Buhl

Examples

```
## Not run:
## request data of the current day of station with hystreetId 71
get_hystreet_station_data(71)

## request data of December 2018 with resolution "day"
get_hystreet_station_data(
  hystreetId = 71,
  query = list(from = "2018-12-01", to = "2018-12-31", resolution = "day"))

## End(Not run)
```

get_hystreet_stats *Get statistics from the Hystreet Project via Hystreet API*

Description

Get statistics from the Hystreet Project via Hystreet API

Usage

```
get_hystreet_stats(verbose = FALSE, API_token = NULL)
```

Arguments

verbose **logical (optional)**: Show more verbose output?
API_token **character (optional)**: API key to get access to Hystreet API

Value

[data.frame](#) with parsed data from hystreet API

Function version

0.0.2

Author(s)

Johannes Friedrich

Examples

```
## Not run:
get_hystreet_stats(TRUE)

## End(Not run)
```

locations	<i>Downloaded data for the vignette</i>
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Description

Downloaded data for the vignette

Format

[data.frame] with all available locations (03/27/2020)

Author(s)

Johannes Friedrich

location_71	<i>Downloaded data for the vignette</i>
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Description

Downloaded data for the vignette

Format

[list] with results from location 71 in december 2018

Author(s)

Johannes Friedrich

ratio	<i>Downloaded data for the vignette</i>
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Description

Downloaded data for the vignette

Format

[data.frame] with pedestrians count/day

Author(s)

Johannes Friedrich

read_hystreet_csv	<i>Read downloaded data from the hystreet webpage to data.frames</i>
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Description

Read downloaded data from the hystreet webpage to data.frames

Usage

```
read_hystreet_csv(path, ...)
```

Arguments

path **character (required)**: path to the downloaded csv file
... **(optional)**: arguments passed to `utils::read.csv2()`

Value

`data.frame` with parsed data from hystreet API

Function version

0.0.1

Author(s)

Johannes Friedrich

Examples

```
## Not run:  
## read data from downloaded csv file data  
df <- hystreet::read_hystreet_csv("~/Downloads/hystreet.csv")  
  
## End(Not run)
```

set_hystreet_token *Set your API token for the Hystreet API*

Description

Set your API token for the Hystreet API

Usage

```
set_hystreet_token(API_token = NULL)
```

Arguments

API_token **character (required)**: API key to get access to Hystreet API

Value

Set environment variable

Function version

0.0.1

Author(s)

Johannes Friedrich

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