

# Package: hystReet (via r-universe)

October 14, 2024

**Type** Package

**Title** Get Pedestrian Frequency Data from the 'Hystreet' Project

**Date** 2022-11-24

**Version** 0.0.3

**Maintainer** Johannes Friedrich <Johannes.Friedrich@posteo.de>

**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

**Repository** <https://johannesfriedrich.r-universe.dev>

**RemoteUrl** <https://github.com/johannesfriedrich/hystreet>

**RemoteRef** HEAD

**RemoteSha** 7acd1579d8069314535ef14afc861ca47283c418

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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

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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

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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

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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)
```

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`get_hystreet_station_data`*Get data from a specific location from the Hystreet Project via Hystreet API*

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### 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>	<b>integer (required)</b> : ID of the requested station. See <a href="#">get_hystreet_locations()</a> for an overview of available IDs.
<code>query</code>	<b>list (optional)</b> : A list with queries. Up to date the following queries are supported: <ul style="list-style-type: none"><li>• <code>from</code>: datetime of earliest measurement (default: today 00:00:00): e.g. "2018-10-01 12:00:00" or "2018-10-01"</li><li>• <code>to</code>: datetime of latest measurement (default: today 23:59:59): e.g. "2018-01-12 12:00:00" or "2018-12-01"</li><li>• <code>resolution</code>: Resolution for the measurement grouping (default: hour): "day", "hour", "month", "week"</li></ul>
<code>no_metadata</code>	<b>logical (optional)</b> : 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>	<b>character (optional)</b> : 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)
```

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get\_hystreet\_stats      *Get statistics from the Hystreet Project via Hystreet API*

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### 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)
```

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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

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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

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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

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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)
```

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set\_hystreet\_token     *Set your API token for the Hystreet API*

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**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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