

Package: eudata (via r-universe)

May 12, 2026

Type Package

Title Access Data from 'GISCO'

Version 0.1.2

Description Access data related to the European union from 'GISCO' <<https://ec.europa.eu/eurostat/web/gisco>>, the Geographic Information System of the European Commission, via its rest API at <<https://gisco-services.ec.europa.eu>>. This package tries to make it easier to get these data into R.

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Encoding UTF-8

Depends R (>= 4.1.0)

Imports dplyr, fs, httr2 (>= 1.2.0), purrr, tibble, cli, rappdirs

Suggests knitr, rmarkdown, ggplot2, sf, glue

RoxygenNote 7.3.2

VignetteBuilder knitr

URL <https://github.com/prokaj/eudata>

BugReports <https://github.com/prokaj/eudata/issues>

Config/pak/sysreqs cmake make libuv1-dev libssl-dev

Repository <https://prokaj.r-universe.dev>

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RemoteUrl <https://github.com/prokaj/eudata>

RemoteRef HEAD

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| get_content | <i>Get content from the API</i> |
|-------------|---------------------------------|

Description

This function retrieves the content from the API and saves it to a file if 'save_to_file' is TRUE.

Usage

```
get_content(
  api,
  end_point,
  save_to_file = FALSE,
  dest = if (save_to_file) fs::path_file(end_point) else NULL
)
```

Arguments

| | |
|--------------|---|
| api | An endpoint to the dataset. |
| end_point | A character vector of the endpoint to retrieve content from. |
| save_to_file | A logical value indicating whether to save the content to a file |
| dest | A character vector specifying the destination file path. If 'save_to_file' is TRUE, this should be a valid file path. |

Value

A 'httr2' response object. The content retrieved from the API is either the 'body' of response or the path to the file when 'save_to_file' is TRUE.

Examples

```
api <- get_topic("Postal")
files <- get_latest_files(api)$csv
file_to_download <- grep("_4326", files, value=TRUE)
response <- get_content(
  api,
  file_to_download,
  save_to_file = TRUE,
  dest = fs::file_temp(ext = "csv")
)
response$body
```

get_content_length *Get the content length of a file to download*

Description

This function retrieves the content length of a file to be downloaded from the API.

Usage

```
get_content_length(api, file_to_download)
```

Arguments

api An endpoint to the dataset variants.
file_to_download A character vector of file names to download.

Value

An integer vector of content lengths, named by the file names.

Examples

```
api <- get_topic("Postal")  
files <- get_latest_files(api)$csv  
purrr::map(  
  files,  
  get_content_length,  
  api = api) |>  
  tibble::as_tibble()
```

get_datasets *Retrieve available datasets from an endpoint*

Description

This function returns the list of available datasets as a tibble. The columns of the tibble provide information about each dataset.

Usage

```
get_datasets(api)
```

Arguments

api An endpoint

Value

A tibble of available datasets.

Examples

```
get_topic("Coastal lines") |>
  get_datasets()
```

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|------------------|---|
| get_latest_files | <i>Retrieve the latest files from the API</i> |
|------------------|---|

Description

This function retrieves the files belonging to the latest version of the given dataset. When the dataset is not updated the cached version is returned.

Usage

```
get_latest_files(api)
```

Arguments

api An endpoint to the dataset.

Value

A named list of files.

Examples

```
get_latest_files(get_topic("Postal"))$csv
```

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|-----------|-----------------------------------|
| get_topic | <i>Retrieve Topic Information</i> |
|-----------|-----------------------------------|

Description

This function fetches the details of a specific topic based on the provided topic name.

Usage

```
get_topic(topic)
```

Arguments

topic A string representing the topic to retrieve.

Value

A request object to the specific endpoint.

Examples

```
get_topic("Coastal lines")
get_topic("Postal")
```

| | |
|------------|---------------------------------|
| get_topics | <i>Retrieve Topics from API</i> |
|------------|---------------------------------|

Description

Retrieves a list of topics from the specified API endpoint 'https://gisco-services.ec.europa.eu/distribution/v2/'.

Usage

```
get_topics()
```

Details

This function sends a request to the given API endpoint and parses the response to extract topic information.

Value

A tibble the topics retrieved from the API.

Examples

```
# Retrieve topics from the default endpoint
topics <- get_topics()
```

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