

Package ‘statswalesr’

April 3, 2022

Type Package

Title Easily Extract Data from 'StatsWales'

Version 0.2.0

Description Download data from 'StatsWales' into R. Removes the need for the user to write their own loops when parsing data from the 'StatsWales' API. Provides functions for datasets (<http://open.statswales.gov.wales/en-gb/dataset>) and metadata (<http://open.statswales.gov.wales/en-gb/discover/metadata>) endpoints.

License MIT + file LICENSE

Encoding UTF-8

Imports jsonlite, httr, curl, dplyr, rlang

RoxygenNote 7.1.1

Suggests testthat

NeedsCompilation no

Author Jamie Ralph [aut, cre]

Maintainer Jamie Ralph <jamesryanralph@outlook.com>

Repository CRAN

Date/Publication 2022-04-03 19:30:02 UTC

R topics documented:

statswales_get_dataset	2
statswales_get_metadata	2
statswales_search	3

Index	4
--------------	----------

`statswales_get_dataset`*Retrieves a dataset from the StatsWales OData API*

Description

`statswales_get_dataset` returns a dataframe from **StatsWales** using a dataset id. The `print_progress` argument can be set to `TRUE` to keep track of progress when extracting a large dataset.

Usage

```
statswales_get_dataset(id, print_progress = FALSE, language = "english")
```

Arguments

<code>id</code>	A dataset id. Must be a single string.
<code>print_progress</code>	logical. Should progress be printed in the console?
<code>language</code>	A string. Returns the dataset in either English ('english') or Welsh ('welsh'). The default is English.

Value

If the dataset id is valid, the function will return the requested dataset in a dataframe. If the id is not valid, the function will return an error.

Examples

```
data <- statswales_get_dataset("h1th0515")
```

`statswales_get_metadata`*Retrieve metadata of a dataset from StatsWales*

Description

`statswales_get_metadata` returns a dataframe containing metadata from **StatsWales** using a dataset id.

Usage

```
statswales_get_metadata(id, language = "english")
```

Arguments

id	A dataset id as a string
language	A string. Returns the metadata in either English ('english') or Welsh ('welsh'). The default is English.

Value

If the dataset id is valid, the output will be the requested metadata in a dataframe. If the id is not valid, the function will return an HTTP error.

Examples

```
metadata <- statswales_get_metadata("h1th0515")
```

statswales_search	<i>Search StatsWales datasets</i>
-------------------	-----------------------------------

Description

statswales_search returns a dataframe of dataset titles and IDs from [StatsWales](#), based on the user's text input.

Usage

```
statswales_search(search_text, language = "english")
```

Arguments

search_text	A vector of search terms.
language	A string. Returns the metadata in either English ('english') or Welsh ('welsh'). The default is English.

Value

A dataframe of StatsWales dataset titles and IDs.

Examples

```
crops_datasets <- statswales_search("*crops*")
```

Index

`statswales_get_dataset`, [2](#)
`statswales_get_metadata`, [2](#)
`statswales_search`, [3](#)