

Package ‘BFS’

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Type Package

Title Search and Download Data from the Swiss Federal Statistical Office (BFS)

Version 0.4.1

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Description Search and download data from the Swiss Federal Statistical Office <<https://www.bfs.admin.ch/>>.

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Depends R (>= 3.0.1)

Imports pxweb, jsonlite, xml2, rvest, tibble, magrittr, janitor, tidyRSS, lifecycle

Encoding UTF-8

RoxygenNote 7.1.1

URL <https://felixluginbuhl.com/BFS/>, <https://github.com/lgnbhl/BFS/>

BugReports <https://github.com/lgnbhl/BFS/issues>

Suggests testthat (>= 2.1.0)

NeedsCompilation no

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Repository CRAN

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bfs_get_catalog *Get the BFS data catalog*

Description

This function scraps a given RSS Feed of the Swiss Federal Statistical Office.

Usage

```
bfs_get_catalog(language = "de", type = "data")
```

Arguments

language character The language of a BFS catalog.
type character A BFS catalog

Value

A data frame

See Also

[bfs_get_data](#)

Examples

```
bfs_get_catalog(language = "de", type = "data")
```

bfs_get_catalog_data *Get the BFS data catalog*

Description

This function scraps the RSS Feed of the Swiss Federal Statistical Office data catalog.

Usage

```
bfs_get_catalog_data(language = "de")
```

Arguments

language character The language of a BFS catalog.

Value

A data frame

See Also

[bfs_get_data](#)

Examples

```
bfs_get_catalog_data(language = "de")
```

```
bfs_get_catalog_tables
```

Get the BFS tables catalog

Description

This function scraps the RSS Feed of the Swiss Federal Statistical Office tables catalog. The tables are mostly datasets that are accessible as Excel files.

Usage

```
bfs_get_catalog_tables(language = "de")
```

Arguments

language character The language of a BFS catalog.

Value

A data frame

Examples

```
bfs_get_catalog_tables(language = "de")
```

```
bfs_get_data
```

Download BFS data in a given language

Description

Download a dataset using the BFS official API v1. You should choose either the bfs number of the bfs official url of a given dataset. You can query particular variables using the 'query' argument.

Usage

```
bfs_get_data(  
  url_bfs = NULL,  
  language = "de",  
  number_bfs = NULL,  
  query = "all",  
  column_name_type = "text",  
  variable_value_type = "text",  
  clean_names = FALSE  
)
```

Arguments

url_bfs	The URL page of a dataset.
language	Language of the dataset to be translated if exists.
number_bfs	The BFS number of a dataset.
query	a list with named values, a json query file or json query string using <code>pxweb::pxweb_query()</code> .
column_name_type	column name type as "text" or as "code".
variable_value_type	variable value type as "text" or as "code".
clean_names	Clean column names using <code>janitor::clean_names()</code> .

See Also

[bfs_get_data_comments](#)

bfs_get_dataset	<i>Download a BFS dataset in a given language</i>
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Description

Download a dataset using the BFS official API v1. You should choose either the bfs number of the bfs official url of a given dataset. You can query particular variables using the ‘query’ argument.

Usage

```
bfs_get_dataset(  
  url_bfs = NULL,  
  language = "de",  
  number_bfs = NULL,  
  query = "all",  
  column_name_type = "text",  
  variable_value_type = "text",  
  clean_names = FALSE  
)
```

Arguments

url_bfs	The URL page of a dataset.
language	Language of the dataset to be translated if exists.
number_bfs	The BFS number of a dataset.
query	a list with named values, a json query file or json query string using <code>pxweb::pxweb_query()</code> .
column_name_type	column name type as "text" or as "code".
variable_value_type	variable value type as "text" or as "code".
clean_names	Clean column names using <code>janitor::clean_names()</code> .

See Also

[bfs_get_catalog](#)

`bfs_get_data_comments` *Get the comments/footnotes of a BFS dataset in a given language*

Description

Get the comments/footnotes of a BFS dataset in a given language

Usage

```
bfs_get_data_comments(  
  url_bfs = NULL,  
  language = "de",  
  number_bfs = NULL,  
  query = "all",  
  clean_names = FALSE  
)
```

Arguments

url_bfs	The URL page of a dataset.
language	Language of the dataset to be translated if exists.
number_bfs	The BFS number of a dataset.
query	a list with named values, a json query file or json query string using <code>pxweb::pxweb_query()</code> .
clean_names	Clean column names using <code>janitor::clean_names()</code>

See Also

[bfs_get_data](#)

bfs_get_metadata	<i>Download BFS metadata in a given language</i>
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Description

Returns a tibble containing the titles, publication dates, observation periods, data source, meta-data webpage urls and download link urls in a given language of the current public BFS datasets available.

Usage

```
bfs_get_metadata(language = "de")
```

Arguments

language character The language of the metadata.

Value

A tibble

See Also

[bfs_get_dataset](#)

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