

Package ‘OECD’

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Type Package

Title Search and Extract Data from the OECD

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Description Search and extract data from the Organization for Economic Cooperation and Development (OECD).

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URL <https://github.com/expersso/OECD>

BugReports <https://github.com/expersso/OECD/issues>

Imports htr (>= 0.6.1), readsdmx (>= 0.3.0), methods (>= 3.2.2), xml2 (>= 0.1.2)

Suggests rmarkdown, ggplot2, testthat, knitr

RoxygenNote 7.1.1

Encoding UTF-8

NeedsCompilation no

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browse_metadata	<i>Browse the metadata related to a series.</i>
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Description

Opens up a web browser with the metadata related to the requested series.

Usage

```
browse_metadata(dataset, ...)
```

Arguments

dataset	A string specifying the code of the series.
...	Additional parameters passed to browseURL.

Value

Opens a web page in the default web browser.

Examples

```
## Not run: browse_metadata("DUR_D")
```

get_dataset	<i>Download OECD data sets.</i>
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Description

Returns a data frame with the requested data, downloaded through the OECD's API.

Usage

```
get_dataset(  
  dataset,  
  filter = NULL,  
  start_time = NULL,  
  end_time = NULL,  
  pre_formatted = FALSE,  
  ...  
)
```

Arguments

dataset	A string with the code for the desired data set
filter	A list of character vectors specifying filters to be applied to each dimension of the dataset (see examples below). If no filter is specified, the function downloads all dimensions unfiltered.
start_time	Starting time for data. If left blank, no time filter is applied (i.e. all observations since the earliest available observation are downloaded). If end_time is specified, a start_time must also be specified.
end_time	End time for data.
pre_formatted	boolean. Set to TRUE if filter to be applied is already formatted (e.g. if copied from the OECD's SDMX generator (see example below)).
...	Additional parameters passed to data.frame (e.g. stringsAsFactors = FALSE).

Value

A data frame

Examples

```
# Get entire dataset
## Not run: df <- get_dataset("EPL_OV")
## Not run: head(df, 10)

# Apply filter on dimensions "country" and "series"
## Not run: df <- get_dataset("EPL_OV",
                             filter = list(c("DEU", "FRA"),
                                             c("EPRC_V1", "EPRC_V2")),
                             start_time = 2008, end_time = 2010)

## End(Not run)
## Not run: head(df, 10)

# Use pre-formatted filter copied from stats.oecd.org
## Not run: df <- get_dataset("PATS_REGION",
                             filter = "PCT_A.INVENTORS.BEL+BE10+BE21.TOTAL+BIOTECH+ICT",
                             start_time = 2008, end_time = 2010, pre_formatted = TRUE)

## End(Not run)
## Not run: head(df, 10)
```

get_datasets

Get a data frame with information on all available datasets.

Description

Returns a data frame with two variables: id and description

Usage

```
get_datasets(...)
```

Arguments

... Additional parameters passed to `httr::GET`.

Value

A data frame.

See Also

[search_dataset](#) to search for a specific data set or a keyword in the description, and [get_data_structure](#) to get the dimensions of specified data set.

Examples

```
## Not run: datasets <- get_datasets()
## Not run: head(datasets)
```

get_data_structure	<i>Get the data structure of a dataset.</i>
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Description

Returns a list of data frames containing names and descriptions of the variables of a specified series.

Usage

```
get_data_structure(dataset)
```

Arguments

dataset A string containing the code for a dataset

Value

A list of data frames.

Examples

```
## Not run: get_data_structure("DUR_D")
```

search_dataset	<i>Search codes and descriptions of available OECD series</i>
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Description

Returns a data frame containing the series codes and descriptions for the OECD series which match the given criteria.

Usage

```
search_dataset(string, data = get_datasets(), ignore.case = TRUE)
```

Arguments

string	A regular expression string to search for.
data	The data frame to search. This can be either a data frame previously fetched using get_datasets (recommended) or left blank, in which case a temporary data frame is fetched. The second option adds a few seconds to each search query.
ignore.case	Whether the search should be case-insensitive.

Value

A data frame.

See Also

[get_datasets](#)

Examples

```
## Not run: dsets <- get_datasets()
## Not run: search_dataset("employment", dsets)
```

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