Package ‘OECD’

October 15, 2019

Type Package

Title Search and Extract Data from the OECD

Version 0.2.4

Date 2019-10-14

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

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URL https://www.github.com/expersso/OECD

BugReports https://www.github.com/expersso/OECD/issues

Imports httr (>= 0.6.1), rsdmx (>= 0.4-7), methods (>= 3.2.2), xml2
       (>= 0.1.2)

VignetteBuilder knitr

Suggests rmarkdown, ggplot2, testthat, knitr

RoxygenNote 6.1.1

Encoding UTF-8

NeedsCompilation no

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Repository CRAN

Date/Publication 2019-10-15 09:40:02 UTC

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browse_metadata
Browse the metadata related to a series.

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
Download OECD data sets.

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.
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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.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

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

---

**get_data_structure**

*Get the data structure of a dataset.*

**Description**

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

**Usage**

```r
get_data_structure(dataset)
```

**Arguments**

- `dataset` A string containing the code for a dataset

**Value**

A list of data frames.

**Examples**

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

---

**search_dataset**

*Search codes and descriptions of available OECD series*

**Description**

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

**Usage**

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

**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**

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