

# Package ‘OECD’

October 12, 2022

**Type** Package

**Title** Search and Extract Data from the OECD

**Version** 0.2.5

**Date** 2021-12-01

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

**License** CC0

**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

**Author** Eric Persson [aut, cre]

**Maintainer** Eric Persson <expersso5@gmail.com>

**Repository** CRAN

**Date/Publication** 2021-12-01 19:50:02 UTC

## R topics documented:

browse_metadata . . . . .	2
get_dataset . . . . .	2
get_datasets . . . . .	3
get_data_structure . . . . .	4
search_dataset . . . . .	5

<b>Index</b>	<b>6</b>
--------------	----------

---

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

---

**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>
-------------	---------------------------------

---

**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      *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**

```
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>
----------------	---

---

**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 <a href="#">get_datasets</a> (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)
```

# Index

`browse_metadata`, [2](#)

`get_data_structure`, [4](#), [4](#)

`get_dataset`, [2](#)

`get_datasets`, [3](#), [5](#)

`search_dataset`, [4](#), [5](#)