Package ‘onsr’

April 15, 2021

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Config/testthat/edition  3
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ons_browse

Description
This function takes you to the ONS' developer webpage.

Usage
ons_browse()

Value
An atomic character vector with the url of the webpage

Examples
ons_browse()

ons_browse_qmi

Description
This function takes you to the QMI.

Usage
ons_browse_qmi(id = NULL)

Arguments
id [character] Id that represents a dataset.

Value
An atomic character vector url with the webpage
ons_codelists

Examples

ons_browse_qmi("cpih01")

ons_codelists
Explore codes and lists

Description

Used to get details about codes and code lists stored by ONS. Codes are used to provide a common
definition when presenting statistics with related categories. Codes are gathered in code lists, which
may change over time to include new or different codes. The meaning of a code should not change
over time, but new codes may be created where new meaning is required.

Usage

ons_codelists()

ons_codelist(code_id = NULL)

ons_codelist editions(code_id = NULL)

ons_codelist edition(code_id = NULL, edition = NULL)

Arguments

code_id [character]. The id of a codelist.
edition [character] A subset of the dataset representing a specific time period. For some
datasets this edition can contain all time periods (all historical data). The latest
version of this is displayed by default.

Value

A list or character vector.

Examples

ons_codelists()
ons_codelist(code_id = "quarter")

#editions
ons_codelist editions(code_id = "quarter")
ons_codelist edition (code_id = "quarter", edition = "one-off")
ons_codes

Explore codes and lists

Description

Used to get details about codes and code lists stored by ONS. Codes are used to provide a common
definition when presenting statistics with related categories. Codes are gathered in code lists, which
may change over time to include new or different codes. The meaning of a code should not change
over time, but new codes may be created where new meaning is required.

Usage

ons_codes(code_id = NULL, edition = NULL)
ons_code(code_id = NULL, edition = NULL, code = NULL)
ons_code_dataset(code_id = NULL, edition = NULL, code = NULL)

Arguments

code_id [character]. The id of a codelist.
edition [character] A subset of the dataset representing a specific time period. For some
datasets this edition can contain all time periods (all historical data). The latest
version of this is displayed by default.

code [character] The ID of the code within a code list.

Value

A list or character vector.

Examples

#codes
ons_codes(code_id = "quarter", edition = "one-off")
ons_code(code_id = "quarter", edition = "one-off", code = "q2")
ons_code_dataset(code_id = "quarter", edition = "one-off", code = "q2")
ons_datasets

## ONS Datasets

### Description

A grouping of data (editions) with shared dimensions, for example Sex, Age and Geography, and all published history of this group of data. The options in these dimensions can change over time leading to separate editions. For example: Population Estimates for UK, England and Wales, Scotland and Northern Ireland.

### Usage

```r
ons_datasets()
ons_ids()
```

### Value

A tibble with the datasets.

### Examples

```r
# Find all the information about the data
ons_datasets()

# Just the ids
ons_ids()
```

---

ons_desc

## Description of the Dataset

This function provides a description of the important information about a dataset.

### Usage

```r
ons_desc(id = NULL)
```

### Arguments

- **id**  
  [character] Id that represents a dataset.
Value

A description of the requested dataset.

See Also

ons_meta()

Examples

ons_desc("cpih01")

Description

Data in each version is broken down by dimensions, and a unique combination of dimension options in a version can be used to retrieve observation level data.

Usage

ons_dim(id = NULL, edition = NULL, version = NULL)

ons_dim_opts(
  id = NULL,
  edition = NULL,
  version = NULL,
  dimension = NULL,
  limit = NULL,
  offset = NULL
)

ons_meta(id = NULL, edition = NULL, version = NULL)

Arguments

id [character] Id that represents a dataset.
edition [character] A subset of the dataset representing a specific time period. For some datasets this edition can contain all time periods (all historical data). The latest version of this is displayed by default.
version [character] A specific instance of the edition at a point in time. New versions can be published as a result of corrections, revisions or new data becoming available.
dimension [character]
ons_get

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>limit</td>
<td>[numeric(1); NULL] Number of records to return. By default is NULL, which means that the defaults of the ONS API are used. You can set it to a number to request more (or less) records, and also to Inf to request all records.</td>
</tr>
<tr>
<td>offset</td>
<td>[numeric(1); NULL] The position in the dataset of a particular record. By specifying offset, you retrieve a subset of records starting with the offset value. Offset normally works with length, which determines how many records to retrieve starting from the offset.</td>
</tr>
</tbody>
</table>

Value

A character vector.

Examples

```r
ons_dim(id = "cpih01")
ons_dim_opts(id = "cpih01", dimension = "time")
ons_meta(id = "cpih01")
```

Description

This function is used to find information about data published by the ONS. Datasets are published in unique versions, which are categorized by edition. Available datasets are given an id. All available id can be viewed with ons_ids().

Usage

```r
ons_get(
  id = NULL,
  edition = NULL,
  version = NULL,
  ons_read = getOption("onsr.read"),
  ...
)
```

```r
ons_get_obs(id = NULL, edition = NULL, version = NULL, ...)
```

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>id</td>
<td>[character] Id that represents a dataset.</td>
</tr>
<tr>
<td>edition</td>
<td>[character] A subset of the dataset representing a specific time period. For some datasets this edition can contain all time periods (all historical data). The latest version of this is displayed by default.</td>
</tr>
</tbody>
</table>
version [character] A specific instance of the edition at a point in time. New versions can be published as a result of corrections, revisions or new data becoming available.

ons_read [character]. Reading backend, one of readr, data.table or vroom.

... Further arguments passed on the reading functions.

Value

A tibble with the dataset in tidy format.

Examples

```r
ons_get(id = "cpih01")

# Same dataset but older version
ons_get(id = "cpih01", version = "5")

# Take only specific observations
ons_get_obs("cpih01", geography = "K02000001", aggregate = "cpih1dim1A0", time = "Oct-11")

# Or can use a wildcard for the time
ons_get_obs("cpih01", geography = "K02000001", aggregate = "cpih1dim1A0", time = "*")
```

ons_latest

Latest info on ONS Datasets

Description

This functions are used to access the latest href, version and edition of a dataset.

Usage

```r
ons_latest_href(id = NULL)

ons_latest_version(id = NULL)

ons_latest_edition(id = NULL)
```

Arguments

id [character] Id that represents a dataset.

Value

An atomic character vector with the latest info.
ons_search

Examples

ons_latest_href("cpih01")
ons_latest_version("cpih01")
ons_latest_edition("cpih01")

-ons_search(id, edition = NULL, version = NULL, name = NULL, query = NULL)

Arguments

id [character] Id that represents a dataset.
edition [character] A subset of the dataset representing a specific time period. For some datasets this edition can contain all time periods (all historical data). The latest version of this is displayed by default.
version [character] A specific instance of the edition at a point in time. New versions can be published as a result of corrections, revisions or new data becoming available.
name [character]. The name of dimension to perform the query. Available dimensions for a specific id at ons_dim().
query [character]. The query.

Value

A data.frame.

Examples

ons_dim("cpih01")
ons_search("cpih01", name = "aggregate", query = "cpih1dim1A0")
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