Package ‘oenb’
March 22, 2021

Title Tools for the OeNB Data Web Service
Version 0.0.2
Description Tools to access data from the data web service of the Oesterreichische National-
License GPL (>= 2)
Depends R (>= 3.2.0)
Imports dplyr, XML
LazyData true
RoxygenNote 7.1.1
Encoding UTF-8

URL https://github.com/franzmohr/oenb

BugReports https://github.com/franzmohr/oenb/issues
Suggests knitr, rmarkdown
VignetteBuilder knitr
NeedsCompilation no
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Repository CRAN
Date/Publication 2021-03-22 16:20:06 UTC

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**oenb_attributes**  
*Get Attributes*

**Description**

Get potential attributes of individual series from the OeNB’s data web service.

**Usage**

```r
oenb_attributes(id, pos, lang = "EN")
```

**Arguments**

- `id` character specifying the ID of the dataset of interest. See `oenb_toc` to obtain the required ID.
- `pos` character specifying the position ID of the indicator of interest. See `oenb_dataset` to obtain the required ID.
- `lang` Preferred language of the output. Possible values are "DE" for German and "EN" for English (default).

**Value**

A data frame containing potential attributes of a series.

**Examples**

```r
series_attr <- oenb_attributes(id = "11", pos = "VDBFKBSC217000")
series_attr
```

---

**oenb_data**  
*Download OeNB Data*

**Description**

Usage

oenb_data(
  id,
  pos,
  freq = NULL,
  attr = NULL,
  starttime = NULL,
  endtime = NULL,
  lang = "EN"
)

Arguments

id character specifying the ID of the dataset of interest. See oenb_toc to obtain the required ID.
pos character vector specifying the position IDs of the indicators of interest. See oenb_dataset to obtain the required ID.
freq Frequency of the data. Where available, possible values are "D", "M", "Q", "H", "A" for daily, monthly, quarterly, semi-annual and annual data. See oenb_frequency to obtain possible choices.
attr A named vector of further attributes. See oenb_attributes to obtain possible choices.
starttime character specifying the start of the series. See 'Details'.
endtime character specifying the end of the series. See 'Details'.
lang Preferred language of the output. Possible values are "DE" for German and "EN" for English (default).

Details

The arguments 'starttime' and 'endtime' can have the format 'YYYY-MM-DD' or 'YYYYMMDD' for daily data, 'YYYY-MM' or 'YYYYMM' for monthly data, and 'YYYY' for annual data. For semiannual data 'YYYY-06' refers to the first half of year 'YYYY' and 'YYYY-12' to the second. Similarly, for quarterly data 'YYYY-03', 'YYYY-06', 'YYYY-09' and 'YYYY-12' refer to the first, second, third and forth quarter of year 'YYYY', respectively.

Value

A data frame.

Examples

series <- oenb_data(id = "11", pos = "VDBFKB217000", freq = "M", attr = c("dval1" = "AT"),
                      starttime = "2019-11", endtime = "2019-12")
series


**oeb_dataset**  
*Content of OeNB Data Sets*

**Description**

Downloads a description of the contents of a specific dataset from the OeNB’s data web service.

**Usage**

```
oenb_dataset(id, lang = "EN")
```

**Arguments**

- **id** character specifying the ID of the dataset of interest. See `oenb_toc` to obtain the required ID.
- **lang** Preferred language of the output. Possible values are "DE" for German and "EN" for English (default).

**Value**

A data frame containing the IDs and names of available indicators within a dataset.

**Examples**

```
content <- oenb_dataset(id = "11")
content
```

---

**oeb_frequency**  
*Get Frequency*

**Description**

Get available frequencies and periods of individual series from the OeNB’s data web service.

**Usage**

```
oenb_frequency(id, pos, lang = "EN")
```
**Arguments**

- **id** character specifying the ID of the dataset of interest. See `oenb_toc` to obtain the required ID.
- **pos** character specifying the position ID of the indicator of interest. See `oenb_dataset` to obtain the required ID.
- **lang** Preferred language of the output. Possible values are "DE" for German and "EN" for English (default).

**Value**

A data frame containing available frequencies and periods of a series.

**Examples**

```r
series_freq <- oenb_frequency(id = "11", pos = "VDBFKBSC217000")
series_freq
```

---

**Description**

Get metadata on individual series from the OeNB’s data web service.

**Usage**

```r
oenb_metadata(id, pos, lang = "EN")
```

**Arguments**

- **id** character specifying the ID of the dataset of interest. See `oenb_toc` to obtain the required ID.
- **pos** character specifying the position ID of the indicator of interest. See `oenb_dataset` to obtain the required ID.
- **lang** Preferred language of the output. Possible values are "DE" for German and "EN" for English (default).

**Value**

A data frame containing metadata on an indicator.
Examples

```r
meta <- oenb_metadata(id = "11", pos = "VDBFKBSC217000")
meta
```

```
<table>
<thead>
<tr>
<th>oenb_toc</th>
<th>Table of Contents</th>
</tr>
</thead>
</table>
```

Description

Downloads the table of contents of the OeNB's statistical data web service.

Usage

```r
oenb_toc(lang = "EN")
```

Arguments

- `lang` Preferred language of the output. Possible values are "DE" for German and "EN" for English (default).

Value

A data frame containing the IDs and titles of available datasets.

Examples

```r
toc <- oenb_toc()
toc
```
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