

Package ‘oenb’

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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 Nationalbank (OeNB), <<https://www.oenb.at/en/Statistics/User-Defined-Tables/webservice.html>>.

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

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oeb_attributes	<i>Get Attributes</i>
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Description

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

Usage

```
oeb_attributes(id, pos, lang = "EN")
```

Arguments

id	character specifying the ID of the dataset of interest. See oeb_toc to obtain the required ID.
pos	character specifying the position ID of the indicator of interest. See oeb_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

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

oeb_data	<i>Download OeNB Data</i>
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Description

Download data sets from the OeNB's data web service <https://www.oebn.at/en/Statistics/User-Defined-Tables/webservice.html>.

Usage

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

Arguments

<code>id</code>	character specifying the ID of the dataset of interest. See oenb_toc to obtain the required ID.
<code>pos</code>	character vector specifying the position IDs of the indicators of interest. See oenb_dataset to obtain the required ID.
<code>freq</code>	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.
<code>attr</code>	A named vector of further attributes. See oenb_attributes to obtain possible choices.
<code>starttime</code>	character specifying the start of the series. See 'Details'.
<code>endtime</code>	character specifying the end of the series. See 'Details'.
<code>lang</code>	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 fourth quarter of year 'YYYY', respectively.

Value

A data frame.

Examples

```
series <- oenb_data(id = "11", pos = "VDBFKBSC217000", freq = "M", attr = c("dval1" = "AT"),
  starttime = "2019-11", endtime = "2019-12")
series
```

oemb_dataset	<i>Content of OeNB Data Sets</i>
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Description

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

Usage

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

Arguments

id	character specifying the ID of the dataset of interest. See oemb_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 <- oemb_dataset(id = "11")
content
```

oemb_frequency	<i>Get Frequency</i>
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Description

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

Usage

```
oemb_frequency(id, pos, lang = "EN")
```

Arguments

id	character specifying the ID of the dataset of interest. See oemb_toc to obtain the required ID.
pos	character specifying the position ID of the indicator of interest. See oemb_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

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

oenb_metadata	<i>Get Metadata</i>
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Description

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

Usage

```
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

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

`oenb_toc`*Table of Contents*

Description

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

Usage

```
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

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

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