Package ‘oenb’

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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**

```r
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**

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

```r
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**

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

---

**oenb_frequency**

*Get Frequency*

**Description**

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

**Usage**

```r
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 of Contents

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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