

Package: oenb (via r-universe)

October 3, 2026

Title Tools for the OeNB Data Web Service

Version 0.1.1

Date 2026-10-03

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 (>= 4.1.0)

Imports dplyr, utils, XML

Encoding UTF-8

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

BugReports <https://github.com/franzmohr/oenb/issues>

Suggests curl, knitr, rmarkdown, testthat (>= 3.2.0)

VignetteBuilder knitr

Config/testthat/edition 3

Config/roxygen2/version 8.1.0

Config/pak/sysreqs libxml2-dev

Repository <https://franzmohr.r-universe.dev>

Date/Publication 2026-10-03 21:18:42 UTC

RemoteUrl <https://github.com/franzmohr/oenb>

RemoteRef HEAD

RemoteSha bbce60c681ae4f01d89c6013fc447875330c86d9

Contents

oenb_attributes	2
oenb_data	3
oenb_dataset	4
oenb_frequency	5
oenb_metadata	6
oenb_toc	7

Index**8**

oenb_attributes	<i>Get Attributes</i>
-----------------	-----------------------

Description

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

Usage

```
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 with one row per available value of an attribute and the columns

`attribute_code` the code of the attribute, such as "dval1". It is a name of the `attr` argument of [oenb_data](#).

`attribute` the description of the attribute.

`value_code` the code of the value, such as "AT". It is a value of the `attr` argument of [oenb_data](#).

`value` the description of the value.

Each value of an attribute is listed once. A data frame without rows is returned if no attributes are found. NULL is returned if the web service is not available. See [oenb](#) for the workflow and the conditions that are signalled.

Examples

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

oenb_data

*Download OeNB Data***Description**

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

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 with one row per observation. The columns are those that the web service reports, typically

`period` the period of the observation, such as "2019-11".

`pos, postitle` the position code and the title of the series.

`attr1, attr1dim, attr2, ...` the value of each attribute and the name of that attribute. `attrN` corresponds to the attribute `dvalN` of [oenb_attributes](#). Series with several values of an attribute have one row per value and period.

`freq` the frequency of the observation.

`unitmult, unittext` the unit of the values, for example "6" and "in millions Euro".

`value` the numeric value, in the unit reported in `unittext`. It is not rescaled.

`period` is always the first column and `value` the last. NULL is returned if the query does not return any data or if the web service is not available. See [oenb](#) for the workflow and the conditions that are signalled.

Examples

```
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

```
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 with one row per series of the data set and the columns

`position_code` the position code of the series, which is the `pos` argument of the other functions.

`description` the title of the series.

A data frame without rows is returned if the data set contains no series. NULL is returned if the web service is not available. See [oenb](#) for the workflow and the conditions that are signalled.

Examples

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

oenb_frequency	<i>Get Frequency</i>
----------------	----------------------

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 with the columns

`frequency` the code of a frequency, such as "M". It is a value of the `freq` argument of [oenb_data](#).

`available_period` the period for which data are available, as the web service describes it, for example "1998 - 2025".

Each combination of a frequency and a period is listed once. A data frame without rows is returned if no frequencies are found. NULL is returned if the web service is not available. See [oenb](#) for the workflow and the conditions that are signalled.

Examples

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

oenb_metadata

Get Metadata

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 with one row per field of the metadata and the columns

attribute the name of the field, for example "title", "unit", "source" or "last_update".

description the content of the field.

The fields are those that the web service reports for the series. Fields that contain further fields are not included. A data frame without rows is returned if no metadata are found. NULL is returned if the web service is not available. See [oenb](#) for the workflow and the conditions that are signalled.

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 with one row per data set and the columns

dataset_id the ID of the data set, which is the id argument of the other functions.

description the title of the data set.

NULL is returned if the web service is not available. See [oenb](#) for the workflow and the conditions that are signalled.

Examples

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

Index

oenb, [2](#), [4–7](#)
oenb_attributes, [2](#), [3](#), [4](#)
oenb_data, [2](#), [3](#), [5](#)
oenb_dataset, [2](#), [3](#), [4](#), [5](#), [6](#)
oenb_frequency, [3](#), [5](#)
oenb_metadata, [6](#)
oenb_toc, [2–6](#), [7](#)