

Package ‘ipeadatar’

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Type Package

Title API Wrapper for 'Ipeadata'

Version 0.2.0

Description Provides direct access to the macroeconomic, financial, and regional database maintained by the Institute for Applied Economic Research (Ipea) via the Ipeadata API. For more information, see <<https://www.ipeadata.gov.br/>>.

Depends R (>= 4.1.0)

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Encoding UTF-8

Language en-US

URL <https://github.com/ipea/ipeadatar>

BugReports <https://github.com/ipea/ipeadatar/issues>

Imports cli, curl, dplyr, jsonlite, lubridate, purrr, rlang, sjlabelled, tibble

Suggests testthat (>= 3.0.0), knitr, rmarkdown, spelling

VignetteBuilder knitr

Config/testthat/edition 3

RoxygenNote 8.0.0

NeedsCompilation no

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available_series	<i>Available Series</i>
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Description

Returns a list of available series from the Ipeadata API.

Usage

```
available_series(language = c("en", "br"), label = TRUE)
```

Arguments

language	A character string specifying the language. Available options are English ("en", default) and Brazilian Portuguese ("br").
label	Logical. If TRUE (default), variable labels are added to the output data frame using <code>sjlabelled::set_label()</code> .

Value

A data frame containing the Ipeadata code, name, theme, source, frequency, last update, and activity status of available series.

Note

The original language of the available series names is preserved.

available_subjects *Available Subjects*

Description

Returns a list of available subjects from the Ipeadata API.

Usage

```
available_subjects(language = c("en", "br"), label = TRUE)
```

Arguments

language	A character string specifying the language. Available options are English ("en", default) and Brazilian Portuguese ("br").
label	Logical. If TRUE (default), variable labels are added to the output data frame using <code>sjlabelled::set_label()</code> .

Value

A data frame containing the subject code and subject name.

available_territories *Available Territorial Divisions*

Description

Returns a list of available Brazilian territorial divisions from the Ipeadata API.

Usage

```
available_territories(language = c("en", "br"), label = TRUE)
```

Arguments

language	A character string specifying the language. Available options are English ("en", default) and Brazilian Portuguese ("br").
label	Logical. If TRUE (default), variable labels are added to the output data frame using <code>sjlabelled::set_label()</code> .

Value

A data frame containing the unit type, code, name, and area (in km²) of Brazilian territorial divisions.

`ipeadata`*Data for Requested Series*

Description

Returns the data associated with requested Ipeadata series.

Usage

```
ipeadata(code, language = c("en", "br"), label = TRUE, quiet = FALSE)
```

Arguments

<code>code</code>	A character vector of Ipeadata series codes.
<code>language</code>	A character string specifying the language. Available options are English ("en", default) and Brazilian Portuguese ("br").
<code>label</code>	Logical. If TRUE (default), variable labels are added to the output data frame using <code>sjlabelled::set_label()</code> .
<code>quiet</code>	Logical. If FALSE (default), a progress bar is displayed.

Value

A data frame containing the Ipeadata code, date, value, territorial unit name, and territorial code of the requested series.

Note

Ipeadata codes may be obtained using [available_series\(\)](#).

References

This package uses the Ipeadata API: <https://www.ipeadata.gov.br/>

See Also

[available_series\(\)](#), [available_territories\(\)](#)

Examples

```
data <- ipeadata(  
  code = "PRECOS12_IPCA12",  
  language = "en"  
)
```

metadata	<i>Metadata for Requested Series</i>
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Description

Returns metadata information for requested Ipeadata series.

Usage

```
metadata(code, language = c("en", "br"), label = TRUE, quiet = FALSE)
```

Arguments

code	A character vector of Ipeadata series codes.
language	A character string specifying the language. Available options are English ("en", default) and Brazilian Portuguese ("br").
label	Logical. If TRUE (default), variable labels are added to the output data frame using <code>sjlabelled::set_label()</code> .
quiet	Logical. If FALSE (default), a progress bar is displayed.

Value

A data frame containing metadata for the requested Ipeadata series, including code, name, comments, last update, theme, source, frequency, unit, multiplier, status, subject code, and country code.

Note

The original language of series names and comments is preserved. Ipeadata codes may be obtained using [available_series\(\)](#).

References

This package uses the Ipeadata API: <https://www.ipeadata.gov.br/>

See Also

[available_series\(\)](#), [available_subjects\(\)](#), [available_territories\(\)](#)

Examples

```
meta <- metadata(code = "PRECOS12_IPCA12")
```

search_series	<i>Searched Series</i>
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Description

Searches for Ipeadata series matching the provided terms.

Usage

```
search_series(terms = NULL, language = c("en", "br"), label = TRUE)
```

Arguments

terms	A character vector of search terms.
language	A character string specifying the language. Available options are English ("en", default) and Brazilian Portuguese ("br").
label	Logical. If TRUE (default), variable labels are added to the output data frame using <code>sjlabelled::set_label()</code> .

Value

A data frame containing the Ipeadata code, name, theme, source, frequency, last update, and activity status of the matched series.

Note

The original language of the series names is preserved.

Examples

```
search_series(terms = "rural")
```

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