Package ‘ipeadatar’

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Type Package

Title API Wrapper for 'Ipeadata'

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Description Allows direct access to the macroeconomic, financial and regional database maintained by Brazilian Institute for Applied Economic Research ('Ipea'). This R package uses the 'Ipeadata' API. For more information, see <http://www.ipeadata.gov.br/>.

Depends R (>= 3.5.0)

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Encoding UTF-8

URL https://github.com/gomesleduardo/ipeadatar

BugReports https://github.com/gomesleduardo/ipeadatar/issues

Imports stringr, curl, rlang, jsonlite, magrittr, dplyr, lubridate, purrr, sjlabelled

NeedsCompilation no

RoxygenNote 7.1.2

Suggests rmarkdown, knitr, testthat (>= 3.0.0)

Config/testthat/edition 3

VignetteBuilder knitr

Repository CRAN

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R topics documented:

available_countries
available_series
available_subjects
available_territories
ipeadata
metadata
search_series

Index

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available_countries List with available countries

Description
Returns a list with available countries from Ipeadata API database.

Usage
available_countries(language = c("en", "br"))

Arguments
language String specifying the selected language. Language options are English ("en", default) and Brazilian Portuguese ("br").

Value
A data frame containing 3-letter country code and name of available countries.

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available_series List with available series

Description
Returns a list with available series from Ipeadata API database.

Usage
available_series(language = c("en", "br"))

Arguments
language String specifying the selected language. Language options are English ("en", default) and Brazilian Portuguese ("br").
available_subjects

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

Note
The original language of the available series’ names were preserved.

available_subjects List with available subjects

Description
Returns a list with available subjects from Ipeadata API database.

Usage
available_subjects(language = c("en", "br"))

Arguments
language String specifying the selected language. Language options are English ("en", default) and Brazilian Portuguese ("br").

Value
A data frame containing code and name of available subjects.

available_territories List with available territorial divisions

Description
Returns a list with available Brazilian territorial divisions from Ipeadata API database.

Usage
available_territories(language = c("en", "br"))

Arguments
language String specifying the selected language. Language options are English ("en", default) and Brazilian Portuguese ("br").

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

Returns a database about the requested series

Description

Returns a list with available database about the requested series.

Usage

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

Arguments

code  
A character vector with Ipeadata code.

language  
String specifying the selected language. Language options are English ("en", default) and Brazilian Portuguese ("br").

quiet  
Logical. If FALSE (default), a progress bar is shown.

Value

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

Note

The Ipeadata codes may be required by available_series().

References

This R package uses the Ipeadata API. For more information go to http://www.ipeadata.gov.br/.

See Also

available_series, available_territories

Examples

## Not run:
# Data from
# "PAN_RRPE": Average real income from effective main work, Brazil
data <- ipeadata(code = "PAN_RRPE", language = "br")

## End(Not run)
metadata

**Description**

Returns a list with metadata information about the requested series.

**Usage**

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

**Arguments**

- `code` A character vector with Ipeadata code.
- `language` String specifying the selected language. Language options are English ("en", default) and Brazilian Portuguese ("br").
- `quiet` Logical. If FALSE (default), a progress bar is shown.

**Value**

A data frame containing Ipeadata code, name, short comment, last update, theme name, source’s name and full name, source’s URL, frequency, unity, multiplier factor, status, subject code and the country or territorial code of requested series.

**Note**

The original language of the available series’ names and the comments were preserved. The Ipeadata codes may be required by `available_series()`.

**References**

This R package uses the Ipeadata API. For more information go to [http://www.ipeadata.gov.br/](http://www.ipeadata.gov.br/).

**See Also**

`available_series`, `available_subjects`, `available_territories`

**Examples**

```r
## Not run:
# Metadata from
# "PRECOS12_IPCA12": Extended National Consumer Price Index (IPCA), Brazil
meta <- metadata(code = "PRECOS12_IPCA12")

## End(Not run)
```
Description

Returns a list with searched series by terms from Ipeadata API database.

Usage

search_series(terms = NULL, fields = c('name'), language = c("en", "br"))

Arguments

terms A character vector with search terms.
fields A character vector with table fields where matches are sought. See 'Details'.
language String specifying the selected language. Language options are English ("en", default) and Brazilian Portuguese ("br").

Details

The fields options are "code", "name", "theme", "source", "freq", "lastupdate" and "status".

Value

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

Note

The original language of the available series’ names were preserved.
Index

available_countries, 2
available_series, 2, 4, 5
available_subjects, 3, 5
available_territories, 3, 4, 5

ipeadata, 4
metadata, 5
search_series, 6