Package 'ipeadatar'

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Type Package

Title API Wrapper for 'Ipeadata'

Version 0.1.6

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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:**

Index   **7**

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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").

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.

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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.

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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.

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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   *Returns a metadata about the requested series*

Description

Returns a list with metadata information about the requested series.

Usage

```
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 Ipea-
data 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_subjects, available_territories

Examples

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

## End(Not run)
```

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search_series   *List with searched series*

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