

Package: aebdata (via r-universe)

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Title Access Data from the Atlas do Estado Brasileiro

Version 0.1.2

Description Facilitates access to the data from the Atlas do Estado Brasileiro (<<https://www.ipea.gov.br/atlasestado/>>), maintained by the Instituto de Pesquisa Econômica Aplicada (Ipea). It allows users to search for specific series, list series or themes, and download data when available.

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Encoding UTF-8

RoxygenNote 7.3.2

Depends R (>= 4.2.0)

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

Config/testthat/edition 3

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

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

Imports httr2, readr, rvest

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

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Config/pak/sysreqs libicu-dev libxml2-dev libssl-dev libx11-dev

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get_series	<i>Get series values</i>
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Description

The function `get_series()` is the main function of this package. Its goal is to facilitate direct access to the data published in the Atlas do Estado Brasileiro so that the user can work with them as they wish.

Usage

```
get_series(series_id = NULL, series_title = NULL)
```

Arguments

`series_id, series_title`
The series ids or titles to download

Details

If the parameter used is for just one series, the result will be a `data.frame` containing the requested information. Now, if the parameter refers to more than one series, the return will be a list of `data.frames`, with each `data.frame` corresponding to a series.

Value

A `data.frame` or a list containing the data from the series

Examples

```
# Get the series 230 and print the head
serie_230 <- get_series(series_id = 230)
head(serie_230)

# Get the series from 230 to 232 and print the head of the 232

series <- get_series(series_id = 230:232)
head(series[["232"]])
```

list_series	<i>List created series</i>
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Description

List all series from the Atlas, regardless of whether they have data available for download or not.

Usage

```
list_series(theme_id = NULL, theme_title = NULL)
```

Arguments

theme_id, theme_title

Optional parameters that can be used individually or combined to filter the selected themes.

Value

A data.frame

Examples

```
series <- list_series(theme_id = c(42, 50))
series$series_title

# List all series and count the number of series available
all_series <- list_series()
length(unique(all_series$series_id))

# Count the number of series from Organizações do Estado theme
organizacoes <- list_series(theme_title = "Organizações do Estado")
nrow(organizacoes)
```

list_themes	<i>List available themes</i>
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Description

list_themes() returns a data.frame containing all available themes and their corresponding ids.

Usage

```
list_themes()
```

Value

A data.frame

Examples

```
# Get the data frame and show the theme titles
themes <- list_themes()
themes$theme_title
```

search_series	<i>Search for specific words</i>
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Description

The `search_series()` function provides a quick way to access a list of series that may be of interest, along with their respective IDs. Each series appears according to the number of themes it is present in.

If one result should appear before the other, the result can be sorted by using the word multiple times in the search, thus giving it greater importance.

Usage

```
search_series(words, case_insensitive = TRUE, require_all = FALSE)
```

Arguments

words	A word or an array of words to check
case_insensitive	Ignore the difference between uppercase and lowercase
require_all	Require all words

Value

A data.frame

Examples

```
search_result <- search_series("regime de contratação")
search_result$series_title

search_result <- search_series(c("remuneração", "raça"), require_all = TRUE)
search_result$series_title
```

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