

Package: bonn (via r-universe)

September 10, 2024

Title Access INKAR Database

Version 1.0.2

Description Retrieve and import data from the INKAR database (Indikatoren und Karten zur Raum- und Stadtentwicklung Datenbank, <<https://www.inkar.de>][<https://www.inkar.de>>) of the Federal Office for Building and Regional Planning (BBSR) in Bonn using their JSON API.

Depends R (>= 3.3.1)

License GPL-3

URL <https://github.com/sumtxt/bonn/>

BugReports <https://github.com/sumtxt/bonn/issues>

Encoding UTF-8

LazyData true

Imports httr (>= 1.2.1), jsonlite (>= 1.6.0)

RoxygenNote 7.2.3

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

RemoteUrl <https://github.com/sumtxt/bonn>

RemoteRef HEAD

RemoteSha 67702a907c333ffe0f5d47d4050919158ff1dd5d

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bonn-package

Data retrieval client for the INKAR Database

Description

Data retrieval client for the INKAR Database

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get_data

Get Data

Description

get_data retrieves a data frame with all available values for a variable

Usage

```
get_data(variable, geography, time = NULL)
```

Arguments

| | |
|-----------|--|
| variable | variable identifier as character string |
| geography | geography identifier as character string |
| time | time identifier as vector of character strings |

Details

To get a list of available geographies use [get_geographies](#). To get a list of available variables use [get_variables](#).

The function retrieves all values for all available years by default.

Value

a data.frame with columns Schlüssel (unit identifier), Raumbezug (geography identifier), Indikator (variable identifier), Wert (value) and time (year or time period).

See Also

[get_geographies](#) [get_variables](#) [get_metadata](#)

Examples

```
# GDP for all districts/all available years
get_data(variable="011", geography="KRE")
```

| | |
|-----------------|----------------------------------|
| get_geographies | <i>Get Available Geographies</i> |
|-----------------|----------------------------------|

Description

get_geographies either retrieves a data frame with all available geographies or all existing units for a given geography

Usage

```
get_geographies(geography = NULL)
```

Arguments

geography geography as string or NULL

Value

a data.frame either with the columns Kurzname (geography name), ID (geography identifier) and NGeb (number of units) or with the columns Schlüssel (unit identifier) and Name (unit name).

Examples

```
# Available geographies
get_geographies()

# All districts
get_geographies("KRS")
```

| | |
|--------------|------------------------------------|
| get_metadata | <i>Get Metadata for a Variable</i> |
|--------------|------------------------------------|

Description

get_metadata retrieves the metadata for a single variable

Usage

```
get_metadata(variable)
```

Arguments

variable variable identifier as character string

Details

To get a list of available variables use [get_variables](#).

Value

a data.frame with columns Name (variable name), Kurzname (short name), Algorithmus (information on measurement), Quelle (source) and Anmerkungen (notes).

See Also

[get_variables](#) [get_data](#)

Examples

```
# Metadata for GDP variable  
get_metadata("010")
```

| | |
|------------|-----------------------------|
| get_themes | <i>Get Available Themes</i> |
|------------|-----------------------------|

Description

get_themes retrieves a data frame with all available themes

Usage

```
get_themes(geography)
```

Arguments

geography geography as character string

Details

To get a list of available geographies use [get_geographies](#).

Value

a data.frame with columns ID (theme identifier), Bereich (theme name) and Unterbereich (sub-theme name).

See Also

[get_geographies](#)

Examples

```
# Available themes
get_themes("KRE")
```

`get_variables`*Get Available Variables*

Description

`get_variables` retrieves a data frame with available variables

Usage

```
get_variables(theme, geography)
```

Arguments

| | |
|------------------------|-------------------------------|
| <code>theme</code> | theme as character string |
| <code>geography</code> | geography as character string |

Details

To get a list of available geographies use [get_geographies](#). To get a list of available themes use [get_themes](#).

Value

a `data.frame` with columns `KurznamePlus` (variable name), `Bereich` (theme identifier), `Gruppe` (variable identifier), `BU`, `EU`, `Zeitreihe` (all three unknown).

See Also

[get_geographies](#) [get_themes](#)

Examples

```
# Retrieves list of available variables in the  
# theme "unemployment" for districts  
get_variables(theme="011", geography="KRE")
```

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