

Package ‘bonn’

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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>>) 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

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

RoxygenNote 7.2.3

NeedsCompilation no

Author Moritz Marbach [aut, cre] (<<https://orcid.org/0000-0002-7101-2821>>)

Maintainer Moritz Marbach <m.marbach@ucl.ac.uk>

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bonn-package

Data retrieval client for the INKAR Database

Description

Data retrieval client for the INKAR Database

Author(s)

Moritz Marbach <moritz.marbach@tamu.edu>

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>
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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>
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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>
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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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