

Package ‘BARIS’

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Type Package

Title Access and Import Data from the French Open Data Portal

Version 1.1.3

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Description Allows the user to access and import data from the rich French open data portal through the provided free API <<https://doc.data.gouv.fr/api/reference/>>. The portal is free, and no credential is required for extracting datasets.

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Encoding UTF-8

URL <https://github.com/feddelegrand7/BARIS>

BugReports <https://github.com/feddelegrand7/BARIS/issues>

VignetteBuilder knitr

Imports magrittr, dplyr, data.table, downloader, sf, XML, httr, rgdal, janitor, rio, jsonlite, stringr, utils, memoise, stringi, shiny, miniUI, rstudioapi, checkmate, glue

Suggests knitr, rmarkdown

RoxygenNote 7.1.1

NeedsCompilation no

Repository CRAN

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BARIS_explain	<i>Data set description</i>
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Description

This function provides in French a detailed description of a data set.

Usage

```
BARIS_explain(datasetId)
```

Arguments

datasetId the unique id of a data set

Value

a character string describing a data set

Examples

```
BARIS_explain("53699934a3a729239d2051a1")
```

BARIS_extract	<i>Extracting A Data frame From The French Portal data.gouv API</i>
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Description

This function read directly into R a specific data frame (resource) by the mean of its unique ID. Currently, BARIS_extract() can read directly the following types of file : json, csv, xls, xlsx, xml, geojson, and shp.

Usage

```
BARIS_extract(resourceId, format)
```

Arguments

resourceId the unique identifier of the individual data frame (resource) to read into R. Not to confound with the global data sets ID that includes many data frames

format the format of the required file (json, csv, xls, xlsx, xml, geojson or shp)

Value

a data frame

Examples

```
BARIS_extract("59ea7bba-f38a-4d75-b85f-2d1955050e53", format = "csv")
```

BARIS_home	<i>Home Page Datasets</i>
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Description

This function displays the most important information about the datasets that are currently displayed within the home page of the data.gov portal.

Usage

```
BARIS_home()
```

Value

A dataframe with datasets characteristics

Examples

```
BARIS_home()
```

BARIS_resources	<i>Displaying resources within a data set</i>
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Description

The data.gov API provides access to several data sets in which one can find several individual data frames to exploit. The `BARIS_resources` lists all the data frames available within a specific data set along with the main information concerning the data frames.

Usage

```
BARIS_resources(datasetId)
```

Arguments

`datasetId` the unique identifier of a data set

Value

a table of all the data frames (resources) included within a specific data set and their main characteristics

Examples

```
BARIS_resources("53699934a3a729239d2051a1")
```

BARIS_search	<i>Searching for a data set</i>
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Description

This function searches specific data sets through the data.gouv API according to the pattern provided into the query argument.

Usage

```
BARIS_search(query, page_number = 1, page_size = 20)
```

Arguments

query	a character string defining the research.
page_number	numeric value denoting which page to search for, defaults to 1
page_size	numeric value, for a specific page (see page_number), how many results do you want to query. Defaults to 20

Value

a character string

Examples

```
BARIS_search("Marseille")
```

BARIS_set_fromJSON	<i>Sets memoise cache function</i>
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Description

Uses the memoise package to set a cache function for jsonlite::fromJSON The choice of the cache folder defines where to save the local files. If not set, will use tempdir()

Usage

```
BARIS_set_fromJSON(cache_folder = tempdir())
```

Arguments

cache_folder The local folder where to save files

Value

A memoised function

Examples

```
## Not run:  
mem_fromJSON <- BARIS_set_fromJSON()  
  
## End(Not run)
```

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