

# Package ‘BARIS’

May 25, 2020

**Type** Package

**Title** Access and Import Data from the French Open Data Portal

**Version** 1.1.1

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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.

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**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

**Suggests** knitr, rmarkdown

**RoxygenNote** 7.1.0

**NeedsCompilation** no

**Repository** CRAN

**Date/Publication** 2020-05-25 04:10:02 UTC

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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")
```

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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")
```

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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.gouv portal.

**Usage**

```
BARIS_home()
```

**Value**

A dataframe with datasets characteristics

**Examples**

```
BARIS_home()
```

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

The data.gouv 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")
```

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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, n_pages = 20)
```

**Arguments**

query	a character string defining the research.
n_pages	number of pages to consider when searching (default to 20). For more, information check out the pagination section of the data.gouv API documentation

**Value**

a character string

**Examples**

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

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BARIS\_set\_fromJSON     *Sets memoise cache function*

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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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