Package: lsnstat (via r-universe)

September 13, 2024

Title 'La Societe Nouvelle' API Access

Version 1.0.1

Description Tools facilitating access to the 'macro_data' service of the 'La Societe Nouvelle' API. It ensures an easy and fully-disclosed access to all macro-level data used in the 'La Societe Nouvelle' systems and the related metadata. Related API can be accessed from <https://api.lasocietenouvelle.org/>.

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URL https://github.com/La-Societe-Nouvelle/lsnstat/

BugReports https://github.com/La-Societe-Nouvelle/lsnstat/issues/

Imports dplyr, httr, jsonlite,

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Repository https://la-societe-nouvelle.r-universe.dev

RemoteUrl https://github.com/la-societe-nouvelle/lsnstat

RemoteRef HEAD

RemoteSha 6e0be96f934cdeb76d192fb6bcc5b957bbdb21e5

Contents

from_filter_list_to_sql *Get formatted SQL filter from R named list*

Description

Get formatted SQL filter from R named list

Usage

```
from_filter_list_to_sql(filter_list)
```

Arguments

filter_list	Filter (named list).

Examples

```
fl = list(year = '2018',industry = 'A01',serie_id = 'ghg_obs')
lsnstat:::from_filter_list_to_sql(fl)
```

get_endpoint *Get table-related endpoint*

Description

Get table-related endpoint

Usage

```
get_endpoint(dataset)
```

Arguments

dataset	dataset requested.

Examples

```
lsnstat:::get_endpoint("figaro_main_aggregates")
```

get_lsn_dataset_list *Get dataset list and related informations #'*

Description

Get dataset list and related informations #'

Usage

```
get_lsn_dataset_list()
```

Examples

```
get_lsn_dataset_list()
```

lsnstat_macrodata *R companion of 'La Societe Nouvelle' stats API services*

Description

R companion of 'La Societe Nouvelle' stats API services

Usage

```
lsnstat_macrodata(dataset, filter_list, filters, sort, verbose = T)
```

Arguments

dataset	dataset requested : list available at https://docs.lasocietenouvelle.org/series-donnees (required)
filter_list	filters to apply : R list of dataset 'params' available through function lsnstat_metadata or get_lsn_dataset_list (optional)
filters	filters to apply : formatted list of dataset 'params' available through function lsnstat_metadata or get_lsn_dataset_list (optional)
sort	Sort the dataset by one or more 'params' available(s) through function lsnstat_metadata or get_lsn_dataset_list (optional).
verbose	display or hide supplementary informations.

Value

A data.frame().

Examples

```
#GET macro footprint : Greenhouse gases emissions intensities
# for sector "C19" between 2015 and 2021

lsnstat_macrodata(dataset = "macro_fpt",
                  filter_list = list(indic = 'GHG',year = 2015:2021,industry = 'C19'))

#GET macro footprint trend : Energy uses intensities
# for sector "C28" between 2025 and 2030

lsnstat_macrodata(dataset = "macro_fpt_trd",
                  filters = "indic=NRG&year=2025+2026+2027+2028+2029+2030&industry=C28")

# GET sectoral value-added, production and intermediate consumption from FIGARO
# for sector 'O84' in 2010 and 2030

lsnstat_macrodata("figaro_main_aggregates",list(aggregate = c('X','VA','P2'),
                                                industry = 'O84',
                                                year = c("2010","2030")),
                                                sort = c('country','value'))
```

`lsnstat_metadata` *Metadata query function for lsnstat_macrodata requests.*

Description

Metadata query function for lsnstat_macrodata requests.

Usage

```
lsnstat_metadata(dataset, param)
```

Arguments

`dataset`	dataset requested : list available through get_lsn_dataset_list (required)
`param`	list of dataset 'params' available for a dataset (optional)

Value

A `data.frame()`.

Examples

```
# GET 'figaro_main_aggregates' (Sectoral production accounts from FIGARO)
# table parameters and codes.

lsnstat_metadata(dataset = "figaro_main_aggregates")
```

```
# GET 'figaro_intermediate_inputs' (flattened intermediate flows matrix from FIGARO)
# filters for parameter 'use_country'.

lsnstat_metadata("figaro_intermediate_inputs",param = "use_country")
```

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