

Package ‘japanstat’

October 13, 2022

Type Package

Title Tools for Easy Use of 'e-Stat' API

Version 0.1.0

Description Provides tools for using the API of 'e-Stat' (<<https://www.e-stat.go.jp/>>), a portal site for Japanese government statistics. Includes functions for automatic query generation, data collection and formatting.

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URL <https://github.com/UchidaMizuki/japanstat>

BugReports <https://github.com/UchidaMizuki/japanstat/issues>

Encoding UTF-8

LazyData true

Suggests keyring (>= 1.2.0), testthat (>= 3.0.0)

Config/testthat/edition 3

RoxygenNote 7.1.2

Imports cli(>= 3.1.0), dplyr (>= 1.0.7), httr (>= 1.4.2), pillar (>= 1.6.4), progress (>= 1.2.2), purrr (>= 0.3.4), rlang (>= 0.4.12), stringi (>= 1.7.5), stringr (>= 1.4.0), tibble (>= 3.1.6), tidyr (>= 1.1.4), vctrs (>= 0.3.8)

Depends R (>= 2.10)

NeedsCompilation no

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estat	<i>Get meta-information of 'e-Stat' data</i>
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Description

The estat gets the meta-information of a statistical table by using getMetaInfo of the 'e-Stat' API, and returns an estat object that allows editing of meta-information by filter and select.

Usage

```
estat(statsDataId, appId = NULL, lang = NULL, query = NULL)
```

Arguments

statsDataId	A statistical data ID on 'e-Stat'.
appId	An 'appId' of 'e-Stat' API.
lang	A language, Japanese ("J") or English ("E").
query	A list of additional queries.

Value

A estat object.

Examples

```
## Not run:
estat("https://www.e-stat.go.jp/dbview?sid=0003433219")

## End(Not run)
```

estat_activate	<i>Determine which estat object key to edit.</i>
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Description

Determine which estat object key to edit.

Usage

```
estat_activate(x, pattern, new_name = NULL)
```

```
estat_activate_tab(x, new_name = NULL)
```

```
estat_activate_time(x, new_name = NULL)
```

```
estat_activate_area(x, new_name = NULL)
```

```
estat_activate_cat(x, n, new_name = NULL)
```

Arguments

x	A estat object.
pattern	Pattern to look for.
new_name	New column name.
n	A category number.

Value

The estat object which the selected key is active.

Examples

```
estat_activate_tab(estat_census_2020)  
estat_activate_cat(estat_census_2020, 1)  
estat_activate_area(estat_census_2020)  
estat_activate_time(estat_census_2020)
```

estat_census_2020	<i>Population of the 2020 census</i>
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Description

Population of the 2020 census

Usage

```
estat_census_2020
```

Format

An object of class estat of length 6.

Source

<https://www.e-stat.go.jp/dbview?sid=0003433219>

estat_download	<i>Download 'e-Stat' data</i>
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Description

Download 'e-Stat' data

Usage

```
estat_download(x, value_name = "value", query = NULL)
```

Arguments

x	A estat object.
value_name	A column name of the value.
query	A list of additional queries.

Value

A tbl of the downloaded data.

Examples

```
## Not run:  
estat_download(estat_census_2020)  
  
## End(Not run)
```

estat_set	<i>Set attributes of 'e-Stat' API</i>
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Description

Set attributes of 'e-Stat' API

Usage

```
estat_set(i, value)
```

Arguments

i	An attribute name.
value	An attribute value

Value

No output..

Examples

```
estat_set("estat_limit_downloads", 1e5)  
estat_set("estat_limit_items", 1e2)
```

estat_set_apikey	<i>Set 'appId' of 'e-Stat' API</i>
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Description

Set 'appId' of 'e-Stat' API

Usage

```
estat_set_apikey(appId)
```

Arguments

appId	An 'appId' of 'e-Stat' API.
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Value

No output.

Examples

```
estat_set_apikey("Your e-Stat appId")
```

estat_set_lang *Set language of 'e-Stat' API*

Description

Set language of 'e-Stat' API

Usage

```
estat_set_lang(lang)
```

Arguments

lang A language of 'e-Stat' API, Japanese ("J") or English ("E").

Value

No output.

Examples

```
estat_set_lang("J")
```

estat_table_info *Get table information for 'e-Stat' data*

Description

Get table information for 'e-Stat' data

Usage

```
estat_table_info(x)
```

Arguments

x A estat object.

Value

A tbl of the table information.

japanstat

Tools for easy use of 'e-Stat' API

Description

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Author(s)

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See Also

Useful links:

- <https://github.com/UchidaMizuki/japanstat>
- Report bugs at <https://github.com/UchidaMizuki/japanstat/issues>

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