

Package ‘jpstat’

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Type Package

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

Version 0.5.0

Description Provides tools to use the 'e-Stat' API
(<https://www.e-stat.go.jp/>), the portal site for Japanese
government statistics.

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URL <https://github.com/UchidaMizuki/jpstat>,
<https://uchidamizuki.github.io/jpstat/>

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

Encoding UTF-8

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

Config/testthat/edition 3

Imports dplyr (>= 0.8.0), pillar, purrr (>= 1.0.0), rlang (>= 0.3.0),
stringr (>= 1.3.0), tibble (>= 1.3.1), tidyr (>= 1.0.0), vctrs,
navigatr (>= 0.2.0), lifecycle, stickyr (>= 0.1.3), httr2, cli

Depends R (>= 4.1.0)

Config/roxygen2/version 8.0.0

NeedsCompilation no

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Repository CRAN

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Contents

collect.estat	2
estat	3
jpstat	4
summary.estat	4

collect.estat	<i>Collect data from an 'e-Stat' table</i>
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Description

`collect()` downloads the statistical values selected from an `estat` object with `dplyr::filter()`, `dplyr::select()`, and `navigatr::rekey()`, and returns them as a tidy tibble. Large tables are paginated automatically.

Usage

```
## S3 method for class 'estat'
collect(x, n = "n", names_sep = "_", query = list(), limit = 100000L, ...)

## S3 method for class 'tbl_estat'
collect(x, ...)
```

Arguments

<code>x</code>	An <code>estat</code> or <code>tbl_estat</code> object.
<code>n</code>	Name of the column that holds the observed values.
<code>names_sep</code>	Separator used to combine a classification's key (e.g. "area") with its selected columns (e.g. "name") into new column names (e.g. "area_name").
<code>query</code>	A list of additional queries passed to 'e-Stat's <code>getStatsData</code> API.
<code>limit</code>	Maximum number of records requested per page. 'e-Stat' caps this at 100000.
<code>...</code>	Ignored.

Value

A tibble.

Examples

```
## Not run:
Sys.setenv(ESTAT_API_KEY = "Your API key")
estat("https://www.e-stat.go.jp/dbview?sid=0003433219") |>
  dplyr::collect()

## End(Not run)
```

estat	<i>Access '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 `dplyr::filter()` and `dplyr::select()`.

Usage

```
estat(  
  statsDataId,  
  lang = c("J", "E"),  
  query = list(),  
  path = "rest/3.0/app/json"  
)
```

Arguments

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

Value

A `estat` object.

See Also

<https://www.e-stat.go.jp>
<https://www.e-stat.go.jp/en>

Examples

```
## Not run:  
Sys.setenv(ESTAT_API_KEY = "Your API key")  
estat("https://www.e-stat.go.jp/dbview?sid=0003433219")  
  
## End(Not run)
```

 jpstat

Tools for easy use of 'e-Stat' API

Description

Provides tools to use the 'e-Stat' API (<https://www.e-stat.go.jp/>), the portal site for Japanese government statistics.

Author(s)

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See Also

Useful links:

- <https://github.com/UchidaMizuki/jpstat>
- <https://uchidamizuki.github.io/jpstat/>
- Report bugs at <https://github.com/UchidaMizuki/jpstat/issues>

 summary.estat

Summarize the table information of an 'e-Stat' table

Description

summary() returns the table-level metadata (title, survey date, publisher, and so on) of an estat object created by [estat\(\)](#).

Usage

```
## S3 method for class 'estat'
summary(object, ...)
```

```
## S3 method for class 'tbl_estat'
summary(object, ...)
```

Arguments

object	An estat or tbl_estat object.
...	Ignored.

Value

A tibble of table information.

Index

`collect.estat`, [2](#)
`collect.tbl_estat (collect.estat)`, [2](#)

`estat`, [3](#)
`estat()`, [4](#)

`jpstat`, [4](#)
`jpstat-package (jpstat)`, [4](#)

`navigatr::rekey()`, [2](#)

`summary.estat`, [4](#)
`summary.tbl_estat (summary.estat)`, [4](#)