Package ‘estatapi’

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Type Package

Title R Interface to e-Stat API

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Description Provides an interface to e-Stat API, the one-stop service for official statistics of the Japanese government.

URL https://yutannihilation.github.io/estatapi/

BugReports https://github.com/yutannihilation/estatapi/issues

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LazyData TRUE

Depends R (>= 3.3)

Imports httr, purrr (>= 0.2), readr (>= 0.2), dplyr (>= 0.5.0), tibble, rlang

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Suggests testthat, keyring

Encoding UTF-8

NeedsCompilation no

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Contents

estatapi 2
estat_api 2
ESTAT_API_URL 3
estat_getDataCatalog 3
estat_getMetaInfo 5
estat_getStatsData 5
estat_getStatsList 7

Index 10

`estatapi` *R Interface to e-Stat API*

Description

Provides an interface to e-Stat API, the one-stop service for official statistics of the Japanese government.

Author(s)

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See Also

http://www.e-stat.go.jp/SG1/estat/eStatTopPortalE.do

`estat_api` *e-Stat API*

Description

Get Statistical Something From e-Stat API

Usage

```
estat_api(path, appId, ...)
```

Arguments

`path`	API endpoint.
`appId`	Application ID.
`...`	Other parameters.

ESTAT_API_URL *Util*

Description

Util

Usage

```
ESTAT_API_URL
```

Format

An object of class `character` of length 1.

estat_getDataCatalog *getDataCatalog API*

Description

Get information about the statistical dataset files and databases via e-Stat API.

Usage

```
estat_getDataCatalog(
  appId,
  lang = c("J", "E"),
  .use_label = TRUE,
  surveyYears = NULL,
  openYears = NULL,
  statsField = NULL,
  statsCode = NULL,
  searchWord = NULL,
  dataType = NULL,
  catalogId = NULL,
  resourceId = NULL,
  startPosition = NULL,
  limit = NULL,
  updatedDate = NULL,
  ...
)
```

Arguments

appId	Application ID.
lang	Language of the data. "J"(Japanese) or "E"(English).
.use_label	Whether to take the human-redable label value or the code value when flattening a field containing both (default: TRUE).
surveyYears	Year and month when the survey was conducted. The format is either "YYYY", "YYYYMM", or "YYYYMM-YYYYMM".
openYears	Year and month when the survey result was opened. The format is the same as surveyYears.
statsField	Field of statistics. The format is either two digits(large classification) or four digits (small classification). For the detail of the classification, see http://www.soumu.go.jp/toukei_toukatsu/index/seido/sangyo/26index.htm.
statsCode	Code assigned for each statistical agency and statistics. The format can be five digits (agency), and eight digits (statistics). For the detail, see http://www.stat.go.jp/info/guide/public/code/code.htm.
searchWord	Keyword for searching. You can use OR and AND to combine conditions (e.g.: "apple AND orange").
dataType	Type of data. XLS: Excel file, CSV: CSV file, PDF: PDF file, DB: Database.
catalogId	Catalog ID.
resourceId	Catalog resource ID.
startPosition	Index of the first record to get.
limit	Max number of records to get.
updatedDate	Last updated date. The format is either "YYYY", "YYYYMM", or "YYYYMM-YYYYMM".
...	Other parameters.

See Also

http://www.e-stat.go.jp/api/e-stat-manual3-0/#api_2_6 http://www.e-stat.go.jp/api/e-stat-manual3-0/#api_3_7

Examples

```
## Not run:
estat_getDataCatalog(
  appId = "XXXX",
  searchWord = "CD",
  dataType = "XLS",
  limit = 3
)

## End(Not run)
```

estat_getMetaInfo *getMetaInfo API*

Description

Get meta-information about the statistical dataset via e-Stat API.

Usage

```
estat_getMetaInfo(appId, statsDataId, lang = c("J", "E"), ...)
```

Arguments

appId	Application ID.
statsDataId	ID of the statistical dataset.
lang	Language of data. "J"(Japanese) or "E"(English).
...	Other parameters.

See Also

http://www.e-stat.go.jp/api/e-stat-manual3-0/#api_2_2 http://www.e-stat.go.jp/api/e-stat-manual3-0/#api_3_3

Examples

```
## Not run:
estat_getMetaInfo(appId = "XXXX", statsDataId = "0003065345")

## End(Not run)
```

estat_getStatsData *getStatsData API*

Description

Get some statistical data via e-Stat API.

Usage

```
estat_getStatsData(
  appId,
  statsDataId,
  startPosition = NULL,
  limit = NULL,
  lang = c("J", "E"),
  .fetch_all = TRUE,
  ...
)
```

Arguments

`appId`	Application ID.
`statsDataId`	ID of the statistical dataset.
`startPosition`	Index of the first record to get.
`limit`	Max number of records to get.
`lang`	Language of the data. `"J"`(Japanese) or `"E"`(English).
`.fetch_all`	Whether to fetch all records when the number of records is larger than 100,000.
`...`	Other parameters. • `lvTab`: Level of the meta-information. The format can be `X` or `X-Y`, `-X` and `X-`. • `cdTab`: Code(s) of the meta-infomation items to select. The format can be a character vector (`c("001", "002")`) or a chraracter of values and commas (`"001,002"`). • `cdTabFrom`: The code of the first meta-information item to select. • `cdTabTo`: The code of the last meta-information item to select. • `lvTime`: Level of the time to select. The format is the same as `lvTab` • `cdTime` Time(s) to select. The format is the same way like `cdTab` • `cdTimeFrom`: The first time to select. The format is the same way like `cdTabFrom` • `cdTimeTo`: The last time to select. The format is the same way like `cdTabTo` • `lvArea`: Level of the area to select. The format is the same as `lvTab` • `cdArea` Code(s) of the Area to select. The format is the same way like `cdTab` • `cdAreaFrom`: The code of the first area to select. The format is the same way like `cdTabFrom` • `cdAreaTo`: The code of the last area to select. The format is the same way like `cdTabTo` • `lvCat01`, `cdCat01`, `cdCat01From`, `cdCat01To`, ...: The same way like above.

See Also

http://www.e-stat.go.jp/api/e-stat-manual3-0/#api_2_3 http://www.e-stat.go.jp/api/e-stat-manual3-0/#api_3_4

Examples

```
## Not run:
# fetch all data, which may take time
estat_getStatsData(
  appId = "XXXX",
  statsDataId = "0003065345"
)

# fetch data up to 10 records
estat_getStatsData(
  appId = "XXXX",
  statsDataId = "0003065345",
  limit = 10
)

# fetch data up to 100,000 records (max number of records available at once)
estat_getStatsData(
  appId = "XXXX",
  statsDataId = "0003065345",
  .fetch_all = FALSE
)

# fetch all data in the specifed category
estat_getStatsData(
  appId = "XXXX",
  statsDataId = "0003065345",
  cdCat01 = c("008", "009", "010")
)

## End(Not run)
```

`estat_getStatsList` *getStatsList API*

Description

Search for statistical datasets via e-Stat API.

Usage

```
estat_getStatsList(
  appId,
  searchWord,
  lang = c("J", "E"),
  .use_label = TRUE,
  surveyYears = NULL,
  openYears = NULL,
  statsField = NULL,
```

```
  statsCode = NULL,
  searchKind = NULL,
  collectArea = NULL,
  startPosition = NULL,
  limit = NULL,
  updatedDate = NULL,
  ...
)
```

Arguments

appId	Application ID.
searchWord	Keyword for searching. You can use OR and AND to combine conditions (e.g.: "apple AND orange").
lang	Language of the data. "J"(Japanese) or "E"(English).
.use_label	Whether to take the human-redable label value or the code value when flattening a field containing both (default: TRUE).
surveyYears	Year and month when the survey was conducted. The format is either "YYYY", "YYYYMM", or "YYYYMM-YYYYMM".
openYears	Year and month when the survey result was opened. The format is the same as surveyYears.
statsField	Field of statistics. The format is either two digits(large classification) or four digits (small classification). For the detail of the classification, see http://www.soumu.go.jp/toukei_toukatsu/index/seido/sangyo/26index.htm.
statsCode	Code assigned for each statistical agency and statistics. The format can be five digits (agency), and eight digits (statistics). For the detail, see http://www.stat.go.jp/info/guide/public/code/code.htm.
searchKind	Type of statistics. • 1: summary • 2: regional mesh
collectArea	Area of statistics. • 1: country • 2: prefecture • 3: municipality
startPosition	Index of the first record to get.
limit	Max number of records to get.
updatedDate	Last updated date. The format is either "YYYY", "YYYYMM", or "YYYYMM-YYYYMM".
...	Other parameters.

See Also

http://www.e-stat.go.jp/api/e-stat-manual3-0/#api_2_1 http://www.e-stat.go.jp/api/e-stat-manual3-0/#api_3_2

Examples

```
## Not run:
estat_getStatsList(
  appId = "XXXX",
  searchWord = "CD",
  limit = 3
)

## End(Not run)
```

Index

∗ **datasets**
ESTAT_API_URL, 3

estat_api, 2
ESTAT_API_URL, 3
estat_getDataCatalog, 3
estat_getMetaInfo, 5
estat_getStatsData, 5
estat_getStatsList, 7
estatapi, 2
estatapi-package *(*estatapi*)*, 2