

Package ‘estatapi’

August 29, 2016

Type Package

Title R Interface to e-Stat API

Version 0.3.0

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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://github.com/yutannihilation/estatapi>

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

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LazyData TRUE

Depends R (>= 3.1.2)

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

RoxygenNote 5.0.1

Suggests testthat

Encoding UTF-8

NeedsCompilation no

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estatapi *R Interface to e-Stat API*

Description

R Interface to e-Stat API

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 data. "J"(Japanese) or "E"(English).
.use_label	Whether to take the human-readable 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. (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	Integer. The the first record to get.
limit	Integer. Max number of records to get.
updatedDate	Last updated date. The format is either YYYY, YYYYMM, YYYYMMDD or YYYYMMDD-YYYYMMDD
...	Other parameters.

See Also

http://www.e-stat.go.jp/api/e-stat-manual2-1/#api_2_6 http://www.e-stat.go.jp/api/e-stat-manual2-1/#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-manual2-1/#api_2_2 http://www.e-stat.go.jp/api/e-stat-manual2-1/#api_3_3

Examples

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

## End(Not run)
```

estat_getStatsData	<i>getStatsData API</i>
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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	Integer. The the first record to get.
limit	Integer. Max number of records to get.
lang	Language of 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 like lvCat01 and cdCat01. See Other parameters section for more details.

Other parameters

For every detailed information, please visit the URL in See Also.

- 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-manual2-1/#api_2_3 http://www.e-stat.go.jp/api/e-stat-manual2-1/#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 specified category
estat_getStatsData(
  appId = "XXXX",
  statsDataId = "0003065345",
  cdCat01 = c("008", "009", "010")
)

## End(Not run)
```

estat_getStatsList	<i>getStatsList API</i>
--------------------	-------------------------

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, startPosition = NULL,
limit = NULL, updatedDate = NULL, ...)
```

Arguments

appId	Application ID
searchWord	Keyword for searching. You can use OR and AND. (e.g.: apple AND orange).
lang	Language of data. "J"(Japanese) or "E"(English).
.use_label	Whether to take the human-readable 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, 3: Sensus.
startPosition	Integer. The first record to get.
limit	Integer. Max number of records to get.
updatedDate	Last updated date. The format is either YYYY, YYYYMM, YYYYMMDD, YYYYMMDD-YYYYMMDD
...	Other parameters.

See Also

http://www.e-stat.go.jp/api/e-stat-manual2-1/#api_2_1 http://www.e-stat.go.jp/api/e-stat-manual2-1/#api_3_2

Examples

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

## End(Not run)
```

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