

Package ‘Rjpstatdb’

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Type Package

Title R interface of the Gateway to Advanced and User-friendly Statistics Service

Version 0.1

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Description

R interface to statistical database organized by Japanese government (<http://statdb.nstac.go.jp/>)

Depends methods, RCurl, XML

License GPL (>= 2)

URL <https://github.com/i-kiwamu/Rjpstatdb>

NeedsCompilation no

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Rjpstatdb-package *Rjpstatdb*

Description

R interface to statistical database organized by Japanese government (<http://statdb.nstac.go.jp/>)

Details

Package: Rjpstatdb
Type: Package
Version: 0.10
Date: 2013-08-21
License: GPL-2

You can search and get data from <http://statdb.nstac.go.jp/>

Author(s)

Kiwamu Ishikura <ishikura.kiwamu@gmail.com>

References

<http://statdb.nstac.go.jp/>

Examples

```
getStatsList("Hokkaido AND population", surveyYears = 2008)
hpop20 <- getStatsData("0003009759")
head(hpop20@data[[1L]])
```

getStatsData *Get statistical data from <http://statdb.nstac.go.jp/>*

Description

Get statistical data that you specify the data ID from “Gateway to Advanced and User-friendly Statistics Service” (<http://statdb.nstac.go.jp/>) organized by Japanese government.

Usage

```
getStatsData(statsDataId = NULL, dataSetId = NULL, limit = NULL,
             lvTab = "", cdTab = NULL, lvTime = "", cdTime = NULL,
             lvArea = "", cdArea = NULL)
```

Arguments

statsDataId	statistical data ID (character)
dataSetId	dataset ID you made (character)
limit	Maximum number of data to download
lvTab	Level of tables to download
cdTab	Code of tables to download (comma separated characters)
lvTime	Level of survey date to download
cdTime	Code of survey date to download (comma separated characters)
lvArea	Level of area to download
cdArea	Code of area to download (comma separated characters)

Details

Data includes some levels of tables, survey dates and areas. For example, data ID 0003009759 includes 1 table (the number of buildings), 1 survey date (year 2008) and 112 areas (prefectures and cities). Level 2 of area shows prefectures, level 3 shows the city parts of each prefecture, and level 4 shows the major cities (e.g. Sapporo, Yokohama, Nagoya, etc.). You can specify the level of table, time and area to download data. If you don't specify the level, all levels are included to data.

Value

It returns the "jpstat" object, which includes

ID	data ID
Stat name	statistics name of government
Government	government (ministry) that has the authority of data
Statistics name	provided statistics name
Title	title of data
Survey date	survey date
Tables	data body

Tables is a list that contains tables, and each table is data frame.

Author(s)

Kiwamu Ishikura <ishikura.kiwamu@gmail.com>

References

<http://statdb.nstac.go.jp/system-info/api/api-spec/>

Examples

```
getStatsList("Hokkaido AND population", surveyYears = 2008)
hpop20 <- getStatsData("0003009759")
head(hpop20@data[[1L]])
```

getStatsList *Search and get a list of statistical data from <http://statdb.nstac.go.jp/>*

Description

Search and get a list of statistical data from “Gateway to Advanced and User-friendly Statistics Service” (<http://statdb.nstac.go.jp/>) organized by Japanese government.

Usage

```
getStatsList(searchWord = "", surveyYears = "", openYears = "",
             statsField = NULL, statsCode = NULL, searchKind = 1,
             statsNameList = "")
```

Arguments

searchWord	search words (you can use AND OR operations)
surveyYears	years to survey data (format: yyyy, yyyyymm or yyyyymm-yyyyymm)
openYears	years to open data (same format as surveyYears)
statsField	field of statistics (2-digits number: search from major division; 4-digits: search from minor division)
statsCode	code of statistics (5-digits number: search by the author government; 8-digits number: search by government statistics code)
searchKind	1: statistics information (default) 2: regional mesh 3: statistics system of society and population
statsNameList	Y: get statistical survey name (not statistics information)

Value

Dataframe of search results

Author(s)

Kiwamu Ishikura <ishikura.kiwamu@gmail.com>

References

<http://statdb.nstac.go.jp/system-info/api/api-spec/>

Examples

```
getStatsList("Hokkaido AND population", surveyYears = 2008)
```

jpstat-class	Class "jpstat"
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Description

Data object from Gateway to Advanced and User-friendly Statistics Service (<http://statdb.nstac.go.jp/>)

Objects from the Class

Objects can be created by calls of the form `new("jpstat", ...)`.

Slots

`data`: Object of class "list" which contains dataframes.

`id`: Object of class "character" of data ID

`stat.name`: Object of class "character" of statistics name of government

`gov`: Object of class "character" of government (ministry) that has the authority of data

`statistics.name`: Object of class "character" of provided statistics name

`title`: Object of class "character" of title of data

`survey.date`: Object of class "character" of survey date

Methods

`show signature(object = "jpstat"): ...`

Author(s)

Kiwamu Ishikura <ishikura.kiwamu@gmail.com>

Examples

```
showClass("jpstat")
```

<code>print.jpstat</code>	<i>print object of jpstat</i>
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Description

print object of jpstat

Usage

```
## S3 method for class 'jpstat'  
print(x, ...)
```

Arguments

x object of jpstat
... additional arguments

Value

print

Author(s)

Kiwamu Ishikura <ishikura.kiwamu@gmail.com>

See Also

getStatsData

show-methods

Methods for Function show of "jpstat"

Description

Show the object class "jpstat"

Methods

signature(object = "jpstat")

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