

Package ‘govStatJPN’

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Type Package

Title functions to get public survey data in Japan

Version 0.1

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Description This package purposes to deal with public survey data of Japanese government via their Application Programming Interface (<http://statdb.nstac.go.jp/>)

License GPL

LazyLoad yes

NeedsCompilation no

Repository CRAN

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govStatJPN-package	<i>Package to load public survey data by Japanese government offered via their Application Programming Interface (API).</i>
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Description

This package purposes to use the public data in simple way.

This product uses the Gateway to Advanced and User-friendly Statistics Service API but is not endorsed or certified by the Statistics Bureau or the National Statistics Center.

Details

Package: govStatJPN
 Type: Package
 Version: 0.1a
 Date: 2013-06-11
 License: Yuichiro Otani <yuichiro@otani.co>
 LazyLoad: yes

Author(s)

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References

<http://statdb.nstac.go.jp/>
<http://statdb.nstac.go.jp/wp/wp-content/uploads/2013/06/API-spec.pdf>

See Also

[get.stat.list](#), [get.meta.info](#), [get.stat.data](#)

Examples

```
# library(govStatJPN)
```

get.meta.info	<i>Object to Get Meta Data of a Specified Survey.</i>
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Description

This function purposes to get a meta data API offers.

Usage

```
get.meta.info(app.id, stat.id)
```

Arguments

app.id	Your application ID. Using all functions contained govStatJPN package, this ID is required. Registration page is https://statdb.nstac.go.jp/apiuser/php/index.php?action=provisional Login page is https://statdb.nstac.go.jp/apiuser/php/index.php?action=login After logging in, you are able to issue your application ID.
stat.id	Required. This is an id in returned values of get.stat.list .

Details

This function is based on section 3.3 at the published pdf file (<http://statdb.nstac.go.jp/wp/wp-content/uploads/2013/06/API-spec.pdf>).

Value

A data frame object is returned.

Note

This product uses the Gateway to Advanced and User-friendly Statistics Service API but is not endorsed or certified by the Statistics Bureau or the National Statistics Center.

Author(s)

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References

<http://statdb.nstac.go.jp/>
<http://statdb.nstac.go.jp/wp/wp-content/uploads/2013/06/API-spec.pdf>

See Also

[get.stat.list](#), [get.stat.data](#)

Examples

```
# app.id <- 'your application ID'
# stat.list <- get.stat.list(app.id, list(surveyYears=2007, lang='J'))
# meta.info <- get.meta.info(app.id, stat.list$id[1])
# meta.info
```

get.stat.data

Object to Get Statistical Data of a Specified Survey.

Description

This function purposes to get a data of a survey the defined with stat id.

Usage

```
get.stat.data(app.id, param, stat.id)
```

Arguments

app.id	Your application ID. Using all functions contained govStatJPN package, this ID is required. Registration page is https://statdb.nstac.go.jp/apiuser/php/index.php?action=provisional Login page is https://statdb.nstac.go.jp/apiuser/php/index.php?action=login After logging in, you are able to issue your application ID.
param	You can set the list of survey years and language as a list object like <code>list(limit=100, lang="J")</code>. The default value of limit is 10. When you need data set in English. Define <code>lang="E"</code> instead of <code>lang="J"</code>. Although setting other parameters is allowed in the API, the parameters that can be used in this function is limited into these two types. The number of parameters can be set in this function will be extended in the future.
stat.id	Required. This is an id in returned values of get.stat.list .

Details

This function is based on section 3.4 at the published pdf file (<http://statdb.nstac.go.jp/wp/wp-content/uploads/2013/06/API-spec.pdf>).

Value

value	This is the data of the specified survey.
note	This is the note of the specified survey.

Note

This product uses the Gateway to Advanced and User-friendly Statistics Service API but is not endorsed or certified by the Statistics Bureau or the National Statistics Center.

Author(s)

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References

<http://statdb.nstac.go.jp/>
<http://statdb.nstac.go.jp/wp/wp-content/uploads/2013/06/API-spec.pdf>

See Also

[get.stat.list](#), [get.meta.info](#)

Examples

```
# stat.list <- get.stat.list(app.id, list(surveyYears=2007, lang='J'))
# stat.data <- get.stat.data(app.id, list(limit=100),stat.list$id[1])
# show data of the survey
# stat.data$value
# summation of data
# sum(stat.data$value$value)
# mean of data
# mean(stat.data$value$value)
# standard deviation of data
# sd(stat.data$value$value)

# get histogram
# hist(stat.data$value$value, breaks=25)
```

get.stat.list	<i>Object to Get a List of Survey.</i>
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Description

This object works to get a list of surveys.

Usage

```
get.stat.list(app.id, param)
```

Arguments

app.id	Your application ID. Using all functions contained govStatJPN package, this ID is required. Registration page is https://statdb.nstac.go.jp/apiuser/php/index.php?action=provisional Login page is https://statdb.nstac.go.jp/apiuser/php/index.php?action=login After logging in, you are able to issue your application ID.
param	You can set the list of survey years and language as a list object like <code>list(surveyYears=2012, lang="J")</code>. If survey year is not defined, this year's survey list will return. When you need data set in English. Define <code>lang="E"</code> instead of <code>lang="J"</code>. Although setting other parameters is allowed in the API, the parameters that can be used in this function is limited into these two types. The number of parameters can be set in this function will be extended in the future.

Details

This function is based on section 3.2 at the published pdf file (<http://statdb.nstac.go.jp/wp/wp-content/uploads/2013/06/API-spec.pdf>).

Value

id This is a stat id of the survey. This object will be used in other functions in this package. The meanings of other values are provided in the reference(Japanese).

Note

This product uses the Gateway to Advanced and User-friendly Statistics Service API but is not endorsed or certified by the Statistics Bureau or the National Statistics Center.

Author(s)

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References

<http://statdb.nstac.go.jp/>
<http://statdb.nstac.go.jp/wp/wp-content/uploads/2013/06/API-spec.pdf>

See Also

[get.meta.info](#), [get.stat.data](#)

Examples

```
# app.id <- 'your application ID'
# stat.list <- get.stat.list(app.id, list(surveyYears=2007, lang='J'))
# stat.list
```

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