

Package ‘sotkanet’

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Type Package

Title Sotkanet R Tools

Version 0.9.03

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Description Sotkanet API R Tools

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URL <https://github.com/ropengov/sotkanet>

BugReports <https://github.com/ropengov/sotkanet/issues>

Depends R (>= 3.0.2), ggplot2, rjson

LazyLoad yes

VignetteBuilder knitr

Suggests knitr

NeedsCompilation no

Repository CRAN

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sotkanet-package *R Tools for Sotkanet API*

Description

Brief summary of the sotkanet package

Details

Package: sotkanet
 Type: Package
 Version: See sessionInfo() or DESCRIPTION file
 Date: 2013
 License: FreeBSD
 LazyLoad: yes

R Tools for Sotkanet API

Author(s)

Leo Lahti, Einari Happonen, Juuso Parkkinen and Joonas Lehtomäki <louhos@googlegroups.com>

References

See citation("sotkanet") <http://ropengov.github.com/sotkanet>

Examples

```
library(sotkanet)
```

GetDataSotkanet	<i>Description: GetDataSotkanet retrieves Sotkanet data according to the query arguments and combines indicator, region, and overall data into one table</i>
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Description

Arguments:

Usage

```
GetDataSotkanet(indicators, years = 1990:2013, genders = c("total"),
  regions = NULL, region.category = NULL, verbose = TRUE)
```

Arguments

indicators	Dataset identifier
years	vector of years c(2010, 2012, ...)
genders	vector of genders ('male' 'female' 'total')
regions	pick selected regions only (default: all regions)
region.category	return selected regions category (for options, see: unique(SotkanetRegions(type = "table")\$region.category)); "ALUEHALLINTOVIRASTO", "ERVA", "EURALUEET", "EUROOPPA", "KUNTA", "MAA", "MAAKUNTA", "NUTS1", "POHJOIS-MAAT", "SAIRAAHOITOPPIRI", "SEUTUKUNTA", "SUURALUE"
verbose	verbose

Returns:

Value

sotkanet data table

Author(s)

Einari Happonen / Opasnet / Louhos. Maintainer: Louhos/Opasnet <louhos@googlegroups.com>

References

See citation("sotkanet")

Examples

```
# dat <- GetDataSotkanet(indicators = 10013, years = 1990:2012,
  #                       genders = c('total'), region.category = "EUROOPPA",
  #                       region = "Suomi")
```

GetDataSotkanetSingleIndicator

Description: GetDataSotkanetSingleIndicator retrieves Sotkanet data for given indicator according to the query arguments and combines indicator, region, and overall data into one table

Description

Arguments:

Usage

```
GetDataSotkanetSingleIndicator(indicator, years = 1990:2013,
  genders = "total", regions = NULL, region.category = NULL)
```

Arguments

indicator	Dataset identifier
years	vector of years c(2010, 2012, ...)
genders	vector of genders ('male' 'female' 'total')
regions	return selected regions only
region.category	return selected regions category (for options, see: unique(SotkanetRegions(type = "table")\$region.category)); "ALUEHALLINTOVIRASTO", "ERVA", "EURALUEET", "EUROOPPA", "KUNTA", "MAA", "MAAKUNTA", "NUTS1", "POHJOIS-MAAT", "SAIRAAANHOITOPPIRI", "SEUTUKUNTA", "SUURALUE"

Returns:

Value

sotkanet data table

Author(s)

Einari Happonen / Opasnet / Louhos. Maintainer: Louhos/Opasnet <louhos@googlegroups.com>

References

See citation("sotkanet")

Examples

```
#
```

sotkanet.csv_query *Description: retrieves Sotkanet data from the query url*

Description

Arguments:

Usage

sotkanet.csv_query(url)

Arguments

url Sotkanet CSV url
Returns:

Value

sotkanet CSV query

Author(s)

Einari Happonen / Opasnet. Maintainer: Louhos/Opasnet <louhos@googlegroups.com>

References

See citation("sotkanet")

sotkanet.json_query *Description: retrieves Sotkanet data from the query url*

Description

Arguments:

Usage

sotkanet.json_query(url)

Arguments

url Sotkanet JSON url
Returns:

Value

sotkanet json query

Author(s)

Einari Happonen / Opasnet. Maintainer: Louhos/Opasnet <louhos@googlegroups.com>

References

See citation("sotkanet")

SotkanetCollect	<i>Description: SotkanetCollect converts the list object from Sotkanet to a data.frame</i>
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Description

Arguments:

Usage

```
SotkanetCollect(x, name)
```

Arguments

x input data (from SotkanetIndicators or SotkanetRegions etc.)

name name for the column ("indicator", "region", etc.)

Returns:

Value

sotkanet data table

Author(s)

Einari Happonen / Opasnet. Maintainer: Louhos <louhos@googlegroups.com>

References

See citation("sotkanet")

SotkanetData	<i>Description:</i> SotkanetData retrieves Sotkanet data from http://www.sotkanet.fi/rest/1.0/data/csv? according to the query arguments.
--------------	---

Description

Arguments:

Usage

```
SotkanetData(indicator, years, genders)
```

Arguments

indicator	Dataset identifier
years	vector of years c(2010, 2012, ...)
genders	vector of genders ('male' 'female' 'total')

Returns:

Value

sotkanet json query

Author(s)

Einari Happonen / Opasnet / Louhos. Maintainer: Louhos/Opasnet <louhos@googlegroups.com>

References

See citation("sotkanet")

Examples

```
#
```

SotkanetIndicators	<i>Description: SotkanetIndicators retrieves Sotkanet data corresponding to a specified data identifier from http://www.sotkanet.fi/rest/1.1/indicators</i>
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Description

Arguments:

Usage

```
SotkanetIndicators(id = NULL, type = "table")
```

Arguments

id	Dataset identifier
type	output format ("table" or "raw")

Returns:

Value

sotkanet json query in selected output format

Author(s)

Einari Happonen / Opasnet / Louhos. Maintainer: Louhos/Opasnet <louhos@googlegroups.com>

References

See citation("sotkanet")

Examples

```
# sotkanet.indicators <- SotkanetIndicators(type = "table")
```

SotkanetRegions	<i>Description: SotkanetRegions retrieves Sotkanet regions data from http://www.sotkanet.fi/rest/1.1/regions</i>
-----------------	--

Description

Arguments:

Usage

```
SotkanetRegions(type = "table")
```


Arguments

type Return format ("table" or "raw")
Returns:

Value

sotkanet json query in selected format

Author(s)

Einari Happonen / Opasnet / Louhos. Maintainer: Louhos/Opasnet <louhos@googlegroups.com>

References

See citation("sotkanet")

Examples

```
# sotkanet.regions <- SotkanetRegions(type = "table")
```

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