

Package ‘sotkanet’

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Type Package

Title Sotkanet Open Data Access and Analysis

Date 2017-05-15

Version 0.9.48

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Description Access data from the sotkanet open data portal
<<https://www.sotkanet.fi/sotkanet/fi/index>>.

License BSD_2_clause + file LICENSE

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

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

Depends R (>= 3.0.2)

Imports RCurl, rjson

Suggests ggplot2, knitr, testthat, roxygen2

VignetteBuilder knitr

RoxygenNote 6.0.1

NeedsCompilation no

Repository CRAN

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sotkanet-package *Tools for Sotkanet API*

Description

Retrieval of sotkanet data.

Package: sotkanet
Type: Package
Version: See sessionInfo() or DESCRIPTION file
Date: 2013-2017
License: FreeBSD
LazyLoad: yes

Author(s)

Leo Lahti, Einari Happonen, Juuso Parkkinen and Joonas Lehtomaki <leo.lahti@iki.fi>

References

See citation("sotkanet")

Examples

```
library(sotkanet)
```

base_url *Sotkanet Base URL*

Description

Base url for sotkanet api.

Usage

```
base_url(...)
```

Arguments

... Arguments to be passed

Value

sotkanet API base url

Author(s)

Leo Lahti <leo.lahti@iki.fi>

References

See citation("sotkanet")

Examples

```
base_url()
```

GetDataSotkanet	<i>Retrieve Sotkanet Data</i>
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Description

Retrieve selected data and combine into a single table.

Usage

```
GetDataSotkanet(indicators, years = 1991:2015, genders = c("total"),
  regions = NULL, region.category = NULL, verbose = TRUE)
```

Arguments

indicators	Dataset identifier(s)
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

Value

data.frame

Author(s)

Maintainer: Leo Lahti <leo.lahti@iki.fi>

References

See citation("sotkanet")

Examples

```
## Not run: dat <- GetDataSotkanet(indicators = 10013)
```

SotkanetIndicators *Sotkanet Indicators*

Description

Retrieve data for a specific data id. <http://www.sotkanet.fi/rest/1.1/indicators>.

Usage

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

Arguments

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

Value

json query in selected output format

Author(s)

Leo Lahti <leo.lahti@iki.fi>

References

See citation("sotkanet")

Examples

```
## Not run: sotkanet.indicators <- SotkanetIndicators(type = "table")
```

SotkanetRegions	<i>Sotkanet Regions</i>
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Description

Retrieves sotkanet regions data.

Usage

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

Arguments

type	Return format ("table" or "raw")
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Details

Data is fetched from <http://www.sotkanet.fi/rest/1.1/regions>.

Value

sotkanet json query in selected format

Author(s)

Maintainer: Leo Lahti <leo.lahti@iki.fi>

References

See citation("sotkanet")

Examples

```
## Not run: sotkanet.regions <- SotkanetRegions(type = "table")
```

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