

Package ‘sotkanet’

May 4, 2021

Type Package

Title Sotkanet Open Data Access and Analysis

Date 2021-05-03

Version 0.9.76

Encoding UTF-8

MailingList rOpenGov <ropengov-forum@googlegroups.com>

Description Access statistical information on welfare and health in Finland from the Sotkanet open data portal <<https://sotkanet.fi/sotkanet/fi/index>>.

License BSD_2_clause + file LICENSE

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

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

Depends R (>= 3.0.2)

Imports rjson

Suggests devtools, ggplot2, knitr, testthat, roxygen2, markdown, magrittr, kableExtra, rmarkdown

VignetteBuilder knitr

NeedsCompilation no

Repository CRAN

RoxygenNote 7.1.1

Author Leo Lahti [aut, cre] (<<https://orcid.org/0000-0001-5537-637X>>),
Einari Happonen [aut],
Joonas Lehtomäki [ctb],
Juuso Parkkinen [ctb],
Vesa Saaristo [ctb],
Pyyry Kantanen [ctb]

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

Date/Publication 2021-05-03 22:10:03 UTC

R topics documented:

sotkanet-package	2
base_url	2
GetDataSotkanet	3
SotkanetIndicators	4
SotkanetRegions	5

Index	6
--------------	----------

sotkanet-package	<i>Tools for Sotkanet API</i>
------------------	-------------------------------

Description

Retrieval of sotkanet data.

Package:	sotkanet
Type:	Package
Version:	See sessionInfo() or DESCRIPTION file
Date:	2013-2021
License:	FreeBSD
LazyLoad:	yes

Author(s)

Leo Lahti, Einari Happonen, Juuso Parkkinen, Juona Lehtomaki, Vesa Saaristo and Pyry Kantanen
<leo.lahti@iki.fi>

References

See citation("sotkanet")

Examples

```
library(sotkanet)
```

base_url	<i>Sotkanet Base URL</i>
----------	--------------------------

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

Retrieve Sotkanet Data

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", "ELY-KESKUS",
    "ERVA", "EURALUEET", "EUROOPPA", "HYVINVOINTIALUE", "KUNTA",
    "MAA", "MAAKUNTA", "NUTS1", "POHJOISMAAT", "SAIRAANHOITOPI-
    IRI", "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 = 165)
```

```
SotkanetIndicators      Sotkanet Indicators
```

Description

Retrieve data for a specific data id. <https://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>
-----------------	-------------------------

Description

Retrieves sotkanet regions data.

Usage

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

Arguments

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

Details

Data is fetched from <https://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")

## End(Not run)
```

Index

- * **package**

- sotkanet-package, [2](#)

- * **utilities**

- base_url, [2](#)

- GetDataSotkanet, [3](#)

- SotkanetIndicators, [4](#)

- SotkanetRegions, [5](#)

base_url, [2](#)

GetDataSotkanet, [3](#)

sotkanet (sotkanet-package), [2](#)

sotkanet-package, [2](#)

SotkanetIndicators, [4](#)

SotkanetRegions, [5](#)