

Package ‘SmarterPoland’

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Type Package

Title A set of tools developed by the Foundation SmarterPoland.pl

Version 1.2

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Description Tools for accessing and processing datasets presented on the blog SmarterPoland.pl.

LazyLoad yes

LazyData yes

License GPL-3

Depends reshape, rjson

NeedsCompilation no

Repository CRAN

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SmarterPoland-package *A set of tools developed by the Foundation SmarterPoland.pl*

Description

A set of tools developed by the Foundation SmarterPoland.pl. Among all: functions for downloading data from eurostat database ec.europa.eu/eurostat.

Details

Package: SmarterPoland
Type: Package
Version: 1.0
Date: 2012-09-24
License: GPL-3

Author(s)

Author: Przemyslaw Biecek (Foundation SmarterPoland.pl) Maintainer: Przemyslaw Biecek <przemyslaw.biecek@gmail.com>

References

<http://www.smarterpoland.pl>

See Also

[getEurostatRCV](#)

Examples

```
## Not run:  
# download the dataset 'Pupil/Student - teacher ratio and average class size' from eurostat  
tmp <- getEurostatRCV(kod = "educ_iste")  
head(tmp)  
  
# download the dataset 'People killed in road accidents' from eurostat  
# and plot a mactable for selected countries  
t1 <- getEurostatRCV("tsdtr420")  
tmp <- cast(t1, geo ~ time , mean, subset=victim=="KIL_MIO_POP")  
tmp2 <- tmp[c(1:10,14:30),1:19]  
tmp3 <- tmp2  
rownames(tmp3) <- tmp2[,1]  
tmp3 <- tmp3[c("UK", "SK", "FR", "PL", "ES", "PT", "LV"),]  
matplot(1991:2008,t(tmp3[,-1]), type="o", pch=19, lty=1, las=1, xlab="", ylab="", yaxt="n")
```

```
## End(Not run)
```

getEurostatDictionary Download a dictionary for given coded variable from Eurostat (ec.europa.eu/eurostat).

Description

Download a dictionary for given coded variable from Eurostat (ec.europa.eu/eurostat).

Usage

```
getEurostatDictionary(dictname)
```

Arguments

`dictname` Character, dictionary for given variable name will be downloaded.

Value

A data.frame with two columns, first with code names and second with full names.

Author(s)

Przemyslaw Biecek

References

The TOC is downloaded from the http://epp.eurostat.ec.europa.eu/NavTree_prod/everybody/BulkDownloadList.

See Also

See Also as [getEurostatRCV](#), [getEurostatRaw](#), [grepEurostatTOC](#).

Examples

```
## Not run:  
tmp <- getEurostatDictionary("crop_pro")  
head(tmp)  
  
## End(Not run)
```

getEurostatRaw	<i>Download a dataset from the eurostat database (ec.europa.eu/eurostat).</i>
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Description

Download a dataset from the eurostat database. The dataset is transformed into the tabular format.

Usage

```
getEurostatRaw(kod = "educ_iste")
```

Arguments

kod	A code name for the data set of interested. See the table of contents of eurostat datasets for more details.
-----	--

Value

A dataset in data.frame format. First column contains names of cases. Column names usually corresponds to years.

Author(s)

Przemyslaw Biecek

References

Data is downloaded from http://epp.eurostat.ec.europa.eu/NavTree_prod/everybody/BulkDownloadListing website.

See Also

See Also as [getEurostatTOC](#), [getEurostatRaw](#), [grepEurostatTOC](#).

Examples

```
## Not run:  
tmp <- getEurostatRaw(kod = "educ_iste")  
head(tmp)  
  
## End(Not run)
```

getEurostatRCV	<i>Download a dataset from the eurostat database (ec.europa.eu/eurostat).</i>
----------------	---

Description

Download a dataset from the eurostat database. The dataset is transformed into the molten / row-column-value format (RCV).

Usage

```
getEurostatRCV(kod = "educ_iste")
```

Arguments

kod	A code name for the data set of interested. See the table of contents of eurostat datasets for more details.
-----	--

Value

A dataset in the molten format with the last column 'value'. See the melt function from reshape package for more details.

Author(s)

Przemyslaw Biecek

References

Data is downloaded from http://epp.eurostat.ec.europa.eu/NavTree_prod/everybody/BulkDownloadListing website.

See Also

See Also as [getEurostatTOC](#), [getEurostatRaw](#), [grepEurostatTOC](#).

Examples

```
## Not run:
tmp <- getEurostatRCV(kod = "educ_iste")
head(tmp)

t1 <- getEurostatRCV("tsdtr420")
tmp <- cast(t1, geo ~ time, mean, subset=victim=="KIL_MIO_POP")
tmp2 <- tmp[c(1:10,14:30),1:19]
tmp3 <- tmp2
rownames(tmp3) <- tmp2[,1]
tmp3 <- tmp3[c("UK", "SK", "FR", "PL", "ES", "PT", "LV"),]
matplot(1991:2008,t(tmp3[,-1]), type="o", pch=19, lty=1, las=1, xlab="", ylab="", yaxt="n")
```

```
## End(Not run)
```

getEurostatTOC	<i>Download a table of contents of eurostat datasets (ec.europa.eu/eurostat).</i>
----------------	---

Description

Download a table of contents of eurostat datasets. Note that the values in column 'code' should be used to download a selected dataset.

Usage

```
getEurostatTOC()
```

Value

A data.frame with eight columns

title	The name of dataset of theme
code	The codename of dataset of theme, will be used by the getEurostatRCV and getEurostatRaw functions.
type	Is it a dataset, folder or table.
last.update.of.data, last.table.structure.change, data.start, data.end	Dates.

Author(s)

Przemyslaw Biecek

References

The TOC is downloaded from the http://epp.eurostat.ec.europa.eu/NavTree_prod/everybody/BulkDownloadList.

See Also

See Also as [getEurostatRCV](#), [getEurostatRaw](#), [grepEurostatTOC](#).

Examples

```
## Not run:
tmp <- getEurostatTOC()
head(tmp)

## End(Not run)
```

getGoogleMapsAddress *Get geolocalisation (longitude, latitude) of a given adress with the use of Google Maps API*

Description

The Google Maps API is used to determine the geolocalisation (longitude, latitude) of a given adress.

Usage

```
getGoogleMapsAddress(street = "Banacha 2", city = "Warszawa", country="Poland", positionOnly = TRUE, c
```

Arguments

street	An address (street and building number)
city	City
country	Country
positionOnly	What should be returned, vector with longitude, latitude coordinates or the raw result from Google Maps API
delay	Number of seconds to wait between api calls

Value

If positionOnly=TRUE then a vector with two values or a raw list from Google Maps otherwise.

Author(s)

Przemyslaw Biecek

References

The Google Maps API <https://developers.google.com/maps/>

Examples

```
## Not run:  
getGoogleMapsAddress()  
  
## End(Not run)
```

grepEurostatTOC	<i>Lists names of dataset from eurostat with the particular pattern in the description.</i>
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Description

This function downloads list of all datasets available on eurostat and return list of names of datasets that contains particular pattern in the dataset description.

E.g. all datasets related to education of teaching.

Usage

```
grepEurostatTOC(pattern)
```

Arguments

pattern	Character, only datasets that contains this pattern in the description will be returned.
---------	--

Value

A data.frame with eight columns

title	The name of dataset of theme
code	The codename of dataset of theme, will be used by the <code>getEurostatRCV</code> and <code>getEurostatRaw</code> functions.
type	Is it a dataset, folder or table.
last.update.of.data, last.table.structure.change, data.start, data.end	Dates.

Author(s)

Przemyslaw Biecek

See Also

See Also as [getEurostatRCV](#), [getEurostatRaw](#), [getEurostatTOC](#).

Examples

```
## Not run:  
tmp <- grepEurostatTOC("education")  
head(tmp)  
  
## End(Not run)
```


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