Package 'TopicFundeR'

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Type Package

Title Aquire information about funded persons and projects in the
DFG-Database

Version 0.1.0

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Description TopicFundeR let's you search and save information located in the GEPRIS-
Database of the German Research Foundation (Deutsche Forschungsgemeinschaft)

License GLP-2

Encoding UTF-8

LazyData true

Imports xml2, rvest, dplyr, stringr, httr, igraph

Suggests robotstxt, purrr, pbapply

RoxygenNote 6.0.1

URL http://github.com/NicoB-UOL/TopicFunder

BugReports http://github.com/NicoB-UOL/TopicFunder/issues

RemoteType github

RemoteHost https://api.github.com

GithubRepo TopicFunder

GithubUsername NicoB-UOL

R topics documented:

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fasteR   *TopicFundeR*

Description

This function has the same properties as "findeR" except that it takes an additional parameter (id_only)

Usage

```
fasteR(x, reqtime = 0, id_only = FALSE)
```

Arguments

x	A name put in quotation marks.
reqtime	A integer number specifying the seconds to wait between requests. Default is set to 0.
id_only	If TRUE, returns only a vector containg the ID.

Value

Returns a dataframe consisting of a ID-Variable, the name-Variable and the input-Variable.

Examples

```
names <- c("name1", "name2", "name3", "...")
id <- sapply(names, fasteR, reqtime = 5, id_only = TRUE)
```

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findeR   *TopicFundeR*

Description

Search the GEPRIS-Database for a name and extract the information. FindeR and find_info are best used for single names and IDs. For multiple values use fasteR and wrap_it for convenience.

Usage

```
findeR(x, reqtime = 0)
```

Arguments

x	A name put in quotation marks.
reqtime	A integer number specifying the seconds to wait between requests. Default is set to 0.

Value

Returns a dataframe consisting of a ID-Variable, the name-Variable and the input-Variable

Examples

```
findeR("Name Surname", reqtime = 5)
findeR("Name")
```

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find_info   *TopicFundeR*

Description

Extract additional information based on a person's ID. FindeR and find_info are best used for single names and IDs. For multiple values use fasteR and wrap_it for convenience.

Usage

```
find_info(x, reqtime = 0)
```

Arguments

x	A numeric ID.
reqtime	A integer number specifying the seconds to wait between requests. Default is set to 0.

Value

Returns a dataframe with additional project variables, such as number of projects, name of the projects and their corresponding IDs

Examples

```
 find_info(id)
x <- findeR("name")
y <- find_info(x$id)
z <- dplyr::left_join(y, x)
```

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pasteR   *TopicFundeR*

Description

Paste long strings neatly to console in order to fit the limits of your screen

Usage

```
pasteR(x, lengthline = 65)
```

Arguments

x	A string or a input coercible to one
lengthline	integer describing the wanted number of characters in each line

Examples

```
pasteR(long_link)
```

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plotteR   *TopicFundeR*

Description

Plots a rudimental network. Either a bipartite or normal one.

Usage

```
plotteR(df, bipartite = FALSE, plotting = TRUE)
```

Arguments

bipartite	If TRUE returns a two-mode network, otherwise a one-mode network
plotting	If TRUE the network will be plotted (default option). Otherwise the two-mode-graph is returned.
x	A Dataframe.

Value

Plots a Network to viewer.

Examples

```
plotteR(df)
```

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steps   *TopicFundeR*

Description

Takes a project ID and extracts the involved scientists. Wraps around wrap_it.

Usage

```
steps(project_id, reqtime = 0)
```

Arguments

reqtime   A integer number specifying the seconds to wait between requests. Default is
                set to 0.

x   A numeric ID.

Value

Returns a dataframe consisting of informations about all joined in scientists.

Examples

```
df <- steps(id, reqtime = 2)
```

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wrap_it   *TopicFundeR*

Description

Used for extracting information of \textitmultiple IDs.

Usage

```
wrap_it(ids, reqtime = 0)
```

Arguments

ids   Vector containing IDs

reqtime   A integer number specifying the seconds to wait between requests. Default is
                set to 0. Recommended is 5.

Value

Returns a dataframe consisting of a ID-Variable, the name-Variable and the input-Variable and several others.

Examples

```
wrap_it(ids, reqtime = 5)
```

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