

Package ‘GetLattesData’

November 28, 2017

Title Reading Bibliometric Data from Lattes Platform

Version 0.9

Date 2017-11-27

Description

A simple API for downloading and reading xml data directly from Lattes <<http://lattes.cnpq.br/>>.

Depends R (>= 3.3.0)

Imports stringr, XML, dplyr, readr, stringdist, curl

License GPL-2

BugReports <https://github.com/msperlin/GetLattesData/issues>

URL <https://github.com/msperlin/GetLattesData/>

LazyData true

RoxygenNote 6.0.1

Suggests knitr, rmarkdown, testthat, ggplot2

VignetteBuilder knitr

NeedsCompilation no

Author Marcelo Perlin [aut, cre]

Maintainer Marcelo Perlin <marceloperlin@gmail.com>

Repository CRAN

Date/Publication 2017-11-28 19:34:39 UTC

R topics documented:

<code>gld.get.papers.info</code>	2
<code>gld_download_lattes_files</code>	2
<code>gld_get_lattes_data</code>	3
<code>gld_get_qualis</code>	4
<code>gld_get_SJR</code>	4
<code>gld_read_zip</code>	5

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

`gld.get.papers.info` *Extracts information about papers from xml data*

Description

Extracts information about papers from xml data

Usage

```
gld.get.papers.info(l.papers, name.author, id.author)
```

Arguments

<code>l.papers</code>	A list with papers information
<code>name.author</code>	Name of author
<code>id.author</code>	ID of author

Value

A dataframe with several information about papers (published or accepted)

Examples

```
## Not run: # INTERNAL USE
tpublish <- gld.get.papers.info(i.papers, name.author, id.author)

## End(Not run)
```

`gld_download_lattes_files`
Downloads data from Lattes

Description

Downloads data from Lattes

Usage

```
gld_download_lattes_files(id, folder.dl = tempdir())
```

Arguments

<code>id</code>	Id symbol from Lattes (see <code>gld_get_lattes_data</code>)
<code>folder.dl</code>	Name of folder where to store xml files (default = <code>tempdir()</code>)

Value

The name of downloaded zip file

Examples

```
## Not run:  
file.out <- gld_download_lattes_files(id = 'K4723925J2')  
  
## End(Not run)
```

`gld_get_lattes_data` Downloads and reads Lattes data based on a vector of Lattes ids

Description

This function downloads xml data directly from Lattes and reads the resulting file, giving as output three dataframes , a table with description of researchers, list of all publications and a table with completed supervisions

Usage

```
gld_get_lattes_data(id.vec, field.qualis = NULL, folder.dl = tempdir())
```

Arguments

<code>id.vec</code>	A vector of Lattes ids (e.g. <code>id.vec <- c('K4723925J2', 'K4713546D3')</code>)
<code>field.qualis</code>	Area of Qualis to get Qualis journal rankings (default equals NULL). Eg. <code>area.qualis <- 'ECONOMIA'</code>
<code>folder.dl</code>	Name of folder where to store xml files (default = <code>tempdir()</code>)

Value

Returns a list with two components:

tpesq A dataframe with information about researchers

tpublic A dataframe with information about publications

tsupervisions A dataframe with information about all supervisions

Examples

```
l.out <- gld_get_lattes_data(id.vec = 'K4713546D3',  
                           field.qualis = 'ECONOMIA')  
print(l.out$tpesq)
```

gld_get_qualis	<i>Reads Qualis table</i>
----------------	---------------------------

Description

Read Qualis data available within the package. The original data is downloaded from <https://sucupira.capes.gov.br/sucupira/public/index.xhtml>

Usage

```
gld_get_qualis(field.qualis = "ALL")
```

Arguments

field.qualis Area of Qualis to get Qualis journal rankings (default equals NULL). Eg. area.qualis <- 'ECONOMIA'

Details

Latest Qualis: 2013-2016 | Latest Qualis update: 2017-09-04

Value

A dataframe with Qualis table, including columns for ISSN, field and ranking

Examples

```
df.qualis <- gld_get_qualis()
df.qualis
```

gld_get_SJR	<i>Reads SJR table</i>
-------------	------------------------

Description

Reads locally available SJR table. Original data provided as an excel file in <http://scimagojr.com/journalrank.php>.

Usage

```
gld_get_SJR()
```

Details

Latest SJR: 2016 | Latest update: 2017-09-04

Value

A dataframe with SJR table

Examples

```
df.SJR <- gld_get_SJR()
df.SJR
```

<i>gld_read_zip</i>	<i>Reads xml data from lattes zip file</i>
---------------------	--

Description

Reads xml data from lattes zip file

Usage

```
gld_read_zip(zip.in)
```

Arguments

zip.in A (single) name of zip file containing a xml file

Value

A list with the following items:

tpesq A dataframe with information about researchers

tpublic A dataframe with information about publications

Examples

```
f.in <- system.file('extdata/K4440252H7_2017-09-04.zip', package = 'GetLattesData')
my.l <- gld_read_zip(f.in)
my.l
```

Index

`gld.get.papers.info`, 2
`gld_download_lattes_files`, 2
`gld_get_lattes_data`, 3
`gld_get_qualis`, 4
`gld_get_SJR`, 4
`gld_read_zip`, 5