Package 'GetFREData'

October 12, 2022

Title Reading FRE Corporate Data of Public Traded Companies from B3

Version 0.8.1

Description
Reads corporate data such as board composition and compensation for companies traded at B3, the Brazilian exchange <https://www.b3.com.br/>. All data is downloaded and imported from the ftp site <http://dados.cvm.gov.br/dados/CIA_ABERTA/DOC/FRE/>.

Depends R (>= 4.0.0)

Imports stringr, xml2, dplyr, readr, lubridate, magrittr, purrr, rvest, XML, GetDFPData2

ByteCompile true

License GPL-2

BugReports https://github.com/msperlin/GetFREData/issues

URL https://github.com/msperlin/GetFREData/

RoxygenNote 7.1.2

Suggests knitr, rmarkdown, testthat (>= 3.0.0), ggplot2

VignetteBuilder knitr

Config/testthat/edition 3

NeedsCompilation no

Author Marcelo Perlin [aut, cre],
Guilherme Kirch [aut]

Maintainer Marcelo Perlin <marceloperlin@gmail.com>

Repository CRAN

Date/Publication 2022-06-13 11:00:02 UTC

R topics documented:

---

gdfpd.read.zip.file.type.fre
Reads folder for zip file post 2011 (internal)

Description

Reads folder for zip file post 2011 (internal)

Usage

```
gdfpd.read.zip.file.type.fre(rnd_folder_name, folder_to_unzip = tempdir())
```

Arguments

rnd_folder_name

Folder name where unzipped files are available

folder_to_unzip

Folder to unzip files

Value

A list with financial statements

Examples

```
# no example (this functions not used directly)
```

---

get_fre_data   *Downloads and reads FRE datasets*

Description

The FRE (formularios de referencia) is the reporting system of companies traded at B3. This func-
tion will access the CVM ftp and parse all available files according to user choices such as dates
and companies.

Usage

```
get_fre_data(
  companies_cvm_codes = NULL,
  first_year = lubridate::year(Sys.Date()) - 2,
  last_year = lubridate::year(Sys.Date()),
  fre_to_read = "last",
  cache_folder = "gfred_cache"
)
```

Arguments

companies_cvm_codes

Numeric CVM code of companies. IF set to NULL (default), will return data for all available companies.

first_year	First year of selected data
last_year	Last year of selected data
fre_to_read	Whether to read 'first', 'last' or 'all' fre docs ('last' is default). Be aware that companies do release several FRE docs for a single year.
cache_folder	Path of cache folder to keep cache and zip files

Value

A list of tibbles, where each element is a different table from the FRE system

Examples

```
## Not run:
l_fre <- get_fre_data(18627)

## End(Not run)
```

---

get_info_companies   *Returns a up to date table with information about B3 companies*

Description

Imports a dataset from cvm <http://sistemas.cvm.gov.br/cadastro/SPW_CIA_ABERTA.ZIP>, containing up to date information about companies, active or not.

Usage

```
get_info_companies(cache_folder = "gfred_cache")
```

Arguments

cache_folder   Path of cache folder to keep cache and zip files

Value

A dataframe with several information about B3 companies

Examples

```
## Not run:  # keep cran check fast
df_info <- get_info_companies()
str(df_info)

## End(Not run)
```

---

my_fix_cols   *Manipulates list from FRE zip file*

Description

This function will add several columns to each table in fre list.

Usage

```
my_fix_cols(df_in, df_info_file)
```

Arguments

df_in   Entry dataframe

df_info_file   Informations about file

Value

An organized dataframe

Examples

```
## Not run:
# no example here

## End(Not run)
```

---

search_company   *Helps users search for a company*

Description

Helps users search for a company

Usage

```
search_company(char_to_search, cache_folder = "gfred_cache")
```

Arguments

char_to_search   Character for partial matching

cache_folder   Path of cache folder to keep cache and zip files

Value

A dataframe with companies

Examples

```
## Not run:  # dontrun: keep cran check fast
df <- search_company('petrobras')

## End(Not run)
```

Index