

# Package ‘GetDFPData2’

April 25, 2023

**Title** Reading Annual and Quarterly Financial Reports from B3

**Version** 0.6.3

## Description

Reads annual and quarterly financial reports from companies traded at B3, the Brazilian exchange <<https://www.b3.com.br/>>.

All data is downloaded and imported from CVM's public ftp site <[https://dados.cvm.gov.br/dados/CIA\\_ABERTA/](https://dados.cvm.gov.br/dados/CIA_ABERTA/)>.

**Depends** R (>= 3.5.0)

**Imports** stringr, xml2, dplyr, readr, lubridate, magrittr, purrr, memoise, rvest, tidyr, RCurl, shiny, writexl, stats

**ByteCompile** true

**License** GPL-2

**BugReports** <https://github.com/msperlin/GetDFPData2/issues/>

**URL** <https://github.com/msperlin/GetDFPData2/>

**RoxygenNote** 7.2.3

**Suggests** knitr, rmarkdown, testthat (>= 3.0.0), ggplot2, covr, fs

**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** 2023-04-25 13:40:19 UTC

## R topics documented:

export_xlsx . . . . .	2
get_dfp_data . . . . .	2
get_info_companies . . . . .	4
search_company . . . . .	4

**Index****6**

---

export_xlsx	<i>Export DFP/ITR data to a xlsx file</i>
-------------	---

---

**Description**

Export DFP/ITR data to a xlsx file

**Usage**

```
export_xlsx(l_dfp, f_xlsx = "GetDFPData-XLSX.xlsx")
```

**Arguments**

l_dfp	A list from get_dfp_data or get_itr_data
f_xlsx	Path to xlsx file

**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)
```

---

get_dfp_data	<i>Downloads and reads DFP datasets</i>
--------------	---

---

**Description**

The DFP (demonstrativos financeiros padronizados) is the annual reporting system of companies traded at B3. This function will access the CVM ftp and parse all available files according to user choices

**Usage**

```
get_dfp_data(
  companies_cvm_codes = NULL,
  first_year = 2010,
  last_year = lubridate::year(Sys.Date()),
  type_docs = c("BPA", "BPP", "DRE"),
  type_format = c("con", "ind"),
  clean_data = TRUE,
  use_memoise = FALSE,
  cache_folder = "gdfpd2_cache",
  do_shiny_progress = FALSE
)
```

**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
type_docs	Type of financial documents. E.g. c('DRE', 'BPA'). Definitions: '*' = fetch all docs, 'BPA' = Assets (ativos), 'BPP' = Liabilities (passivo), 'DRE' = income statement (demonstrativo de resultados), 'DFC_MD' = cash flow by direct method (fluxo de caixa pelo metodo direto), 'DFC_MI' = cash flow by indirect method (fluxo de caixa pelo metodo indireto), 'DMPL' = statement of changes in equity (mutacoes do patrimonio liquido), 'DVA' = value added report (desmonstrativo de valor agregado)
type_format	Type of format of document (con = consolidated, ind = individual). Default = c('con', 'ind')
clean_data	Clean data or return raw data? See read_dfplitr_csv() for details
use_memoise	Use memoise caching? If no (default), the function will read all .csv files. If yes, will use package memoise for caching results (execution speed increases significantly)
cache_folder	Path of cache folder to keep memoise and zip files
do_shiny_progress	Whether to use shiny progress indicator (default = FALSE)

**Value**

A list of tibbles containing all requested financial data. Each element of the list is a table from DFP.

**Examples**

```
## Not run:
df_dfp <- get_dfp_data(companies_cvm_codes = NULL)

## End(Not run)
```

get\_info\_companies      *Returns a up to date table with information about B3 companies*

---

### **Description**

Imports a dataset from cvm <<https://dados.cvm.gov.br/>>, containing up to date information about companies, active or not.

### **Usage**

```
get_info_companies(cache_folder = "gdfpd2_cache")
```

### **Arguments**

cache\_folder      Path of cache folder to keep memoise and zip files

### **Value**

A dataframe with information about available companies in the database

### **Examples**

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

## 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 = "gdfpd2_cache")
```

### **Arguments**

char\_to\_search      Character for partial matching  
cache\_folder      Path of cache folder to keep memoise and zip files

*search\_company*

5

**Value**

A dataframe with information about available companies in the CVM database

**Examples**

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

## End(Not run)
```

# Index

`export_xlsx`, [2](#)

`get_dfp_data`, [2](#)

`get_info_companies`, [4](#)

`search_company`, [4](#)