Package: cpgfR (via r-universe)

November 16, 2026

Title Consolidates Information from the Federal Government Payment Card

Version 0.0.1.0

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Description Provides access to consolidated information from the Brazilian Federal Government Payment Card. Includes functions to retrieve, clean, and organize data directly from the Transparency Portal <https://portaldatransparencia.gov.br/download-de-dados/cpgf/> and a curated dataset hosted on the Open Science Framework <https://osf.io/z2mxc/>. Useful for public spending analysis, transparency research, and reproducible workflows in auditing or investigative journalism.

License GPL-3

Encoding UTF-8

BugReports https://github.com/datafobia/cpgf/issues

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

Depends R (>= 3.5)

Imports data.table, stringr, osfr, lubridate, deflateBR, curl

LazyData true

Config/pak/sysreqs cmake make libicu-dev libuv1-dev libssl-dev

Repository https://datafobia.r-universe.dev

Date/Publication 2025-06-18 17:12:01 UTC

RemoteUrl https://github.com/datafobia/cpgf

RemoteRef HEAD

RemoteSha d5d03055ba2156b93872637d1a5b8bb7a69fe821

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`cpgf_data` *Database the Federal Government Payment Card CPGF - Brazil (2013 up to May 2025)*

Description

The Federal Government Payment Card (CPGF) is a payment instrument used by the government that operates similarly to a regular credit card, but within specific limits and regulations. The government uses the CPGF to cover its own expenses, provided they qualify as advances of funds (suprimento de fundos).

Usage

```
cpgf_data()
```

Value

`cpgf_data()` returns a `data.frame` with the following variables:

codigo_orgao_superior Code corresponding to the Higher Body of the managing authority on behalf of which the government payment card was formally issued.

nome_orgao_superior Name of the Higher Body of the managing unit on behalf of which the payment card was issued.

codigo_orgao Code of the Subordinate Body of the managing unit on behalf of which the payment card was issued.

nome_orgao Name of the Subordinate Body of the managing unit on behalf of which the payment card was issued.

codigo_unidade_gestora Code of the Managing Unit on behalf of which the payment card was issued.

nome_unidade_gestora Name of the Managing Unit.

ano_extrato Year of the transaction statement.

mes_extrato Month of the transaction statement.

cpf_portador CPF of the cardholder who performed the transaction.

nome_portador Name of the cardholder who performed the transaction.

cnpj_ou_cpf_favorecido CNPJ of the establishment or CPF of the individual who received the payment.

nome_favorecido Name of the establishment or individual who received the payment.

transacao Transaction carried out by the cardholder with the affiliated merchant or contracted party, using the Federal Government Payment Card (CPGF).

data_transacao Date on which the transaction was carried out. Note: when the beneficiary is classified as confidential, there is no transaction date; in these cases, the lowest date on the reference statement was assigned.

valor_transacao Amount of the transaction carried out with the card, in Brazilian reais (BRL) as character.

data_date Date on which the transaction was carried out. Note: when the beneficiary is classified as confidential, there is no transaction date; in these cases, the lowest date on the reference statement was assigned.

ano_mes Year and month on which the transaction was carried out.

valor_transacao2 Amount of the transaction carried out with the card, in Brazilian reais (BRL) as numeric.

valor_transacao_deflacionado Total deflated transaction value to facilitate comparison, in Brasilian reais. Deflated until April 2025 (because transactions are up to the previous month of the statement, which here goes until May), using the IPCA index.

Examples

```
# Download data on the Federal Government Payment Card (CPGF)
if(interactive() && curl::has_internet()) {
   cpgf <- cpgf_data()
 }
```

`get_cpgf` *Download the database the Federal Government Payment Card CPGF - Brazil*

Description

Download the database the Federal Government Payment Card CPGF - Brazil

Usage

```
get_cpgf(year, month, deflate = NULL, index_deflate = "ipca")
```

Arguments

`year`	Valid options are 2013 to corrent.
`month`	Valid options are 01 to 12.
`deflate`	By default, it is NULL, but when a value is provided in the format month/year (mm/yyyy), the corrected value is calculated using the selected inflation index and create variable "valor_transacao_deflacionado", which is IPCA by default. For more information, see the deflateBR package.
`index_deflate`	If deflate is not NULL, IPCA is used by default. For more information, see the deflateBR package.

Value

(get_cpgf) returns a data.frame

Examples

```
# Download data on the Federal Government Payment Card (CPGF)
if(interactive() && curl::has_internet()) {
  cartao <- get_cpgf(2023, 12)
  }
```

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