

Package ‘siconvr’

May 18, 2021

Title Fetch Data from Plataforma +Brasil (SICONV)

Version 0.0.1

Description Fetch data on targeted public investments from Plataforma +Brasil (SICONV) <<http://plataformamaisbrasil.gov.br/>>, the responsible system for requests, execution, and monitoring of federal discretionary transfers in Brazil.

License GPL (>= 3)

Encoding UTF-8

URL <https://github.com/meirelesff/siconvr>,
<https://fmeireles.com/siconvr/>

BugReports <https://github.com/meirelesff/siconvr/issues>

RoxygenNote 7.1.1

Imports data.table, httr, magrittr, tibble, dplyr, cli

Suggests testthat (>= 3.0.0), covr

Config/testthat/edition 3

NeedsCompilation no

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 get_siconv

Fetch cleaned data from Plataforma +Brasil

Description

get_siconv() is the package's workhorse. It downloads, cleans, and returns one of the several datasets maintained by Plataforma +Brasil on federal targeted transfers in Brazil. Under the hood, the function handles GET requests, downloads and stores intermediary files, and reads as fast as possible the data to a tibble format convenient for use in analysis.

Usage

```
get_siconv(dataset = NULL, encoding = "UTF-8", cache = TRUE, verbose = TRUE)
```

Arguments

dataset A string indicating the dataset to retrieve. Valid options:

- "programas" – data on available programs maintained by the Federal Government;
- "programas_propostas" – keys to match programs and proposals submitted to the Federal Government;
- "propostas" – data on proposals submitted to the Federal Government;
- "convenios" – data on proposals effectively accepted situation and amount transferred by the Federal Government;
- "emendas" – data on federal budget amendments made by Brazilian Federal Deputies and Senators, amount transferred and the transference recipient;
- "planos" – data on application plans submitted to the Federal Government. This document includes all goods, services and works required by the covenant to accomplish the project;
- "empenhos" – data on transfers which the Federal Government has reserved its budget to pay the covenant when the project ends;
- "desembolsos" – data on transfers disbursements by the Federal Government;
- "obtv" – data on payments made to local suppliers and contractors hired to execute funded projects;
- "historico" – proposals' track record;
- "ingresso_contrapartida" – record of counterpart payments;
- "aditivos" – data on contracts' budget addendum;
- "crono_metas" – project's goals timeline;
- "cronogramas" – project's execution timeline;
- "consorcios" – data on proposals where multiple local governments or private entities cooperate to request federal resources;
- "empenhos_desembolsos" – keys to match appropriations and disbursements by Federal Government;

- "proponentes" – data on proposals' proponents;
- "cronograma_desembolsos" – project's transfers disbursements timeline;
- "justificativas" – proposals' justifications;

When not specified, dataset defaults to "programas".

encoding	Encoding used to read raw files. Defaults to "UTF-8", but users might need to change this option to other valid options (e.g., "latin1") if data are returned with uncommon characters.
cache	Should the function maintain a local copy of the data? To save both time and SICONV's server resources, this defaults to TRUE. Data is stored as a zipfile in the folder "cache" in the working directory (avoid changing files' names inside this folder).
verbose	Should the function display messages and progress bar? Defaults to TRUE.

Value

A [tibble](#) containing the requested data as defined in the dataset argument. Use the [show_schema](#) function to get detailed information on available variables and information.

Note

`get_siconv()` needs an internet connection to download data in case it does not found a cache folder with raw data from a previous request. Be aware that instability in the Plataforma +Brasil server might produce error messages, in which case users should try waiting before rerunning their requests.

Examples

```
## Not run: df <- get_siconv(dataset = "propostas")
```

show_schema *Access Plataforma +Brasil's documentation*

Description

`show_schema()` downloads, unzips, and show in a web browser Plataforma +Brasil's full database documentation, including its schema and other usefull information. Docs are downloaded to a folder in the working directory.

Usage

```
show_schema(verbose = TRUE, browser = TRUE)
```

Arguments

verbose	Should the function display messages and progress bar? Defaults to TRUE.
browser	Should the function open a web browser to display the docs? Defaults to TRUE.

Value

`show_schema()` is most usefull for its side effect of downloading, when needed, and opening Plataforma +Brasil's documentation, but is also silently returns a string containing the path to the docs' index file.

Note

`show_schema()` needs an internet connection to download data in case it does not found a cache folder with the docs from a previous request. Be aware that instability in the Plataforma +Brasil server might produce error messagens, in which case users should try waiting before rerunning the function.

Examples

```
## Not run: show_schema()
```

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