Package: SidraFacil (via r-universe)

July 17, 2026

Type Package

Title Framework for Automated Download of SIDRA IBGE Data

Version 1.0.2

Description Interface to the SIDRA (Sistema IBGE de Recuperação Automática) web service provided by the Brazilian Institute of Geography and Statistics (IBGE). Data are retrieved through the official API <https://apisidra.ibge.gov.br/>.

License MIT + file LICENSE

Encoding UTF-8

LazyData true

Imports sidrar, dplyr, tidyselect, svDialogs, png, grid

Config/roxygen2/version 8.0.0

Config/pak/sysreqs libicu-dev libpng-dev libxml2-dev libssl-dev

Repository https://datascientist-br.r-universe.dev

Date/Publication 2026-07-07 14:57:54 UTC

RemoteUrl https://github.com/datascientist-br/sidrafacil

RemoteRef HEAD

RemoteSha 0280b0dfafcbf994298e08d01db7722372c484a4

Contents

sidra_facil	*SIDRA FACIL - Framework package for the automated downloading of data from IBGE's SIDRA. This framework is an easy, straightforward tool for downloading data from SIDRA IBGE based on a simple user selection of the desired table number. Upon starting execution, a dialog box prompts the user to enter the number of the desired table. After the user specifies the table number, they are prompted to indicate the local folder where the search data will be saved. A ".txt" file containing all the information (dimensions) of the specified table, years, variables, categories, and geographic granularity is saved by the package in the indicated folder. Dialog boxes are prompted to the user, to indicate sequentially, the years, variables, categories and geographic granularity desired. The information: years, variables, categories, and geographic granularity, must be separated by commas. This system will download The framework will download all the information and ultimately save it to a ".csv" file in the folder specified by the user at the beginning. "results <- sidra_facil()" will allow the results to also be saved in an object in the R Global Environment. The graduated tables will be in long format, with each column named according to the pattern "year_xxxx_var_xxx_cat_xxxx", where "year" corresponds to the data year, "var" to a specific variable, and "cat" to a specific category. This format was designed for sequential use with automated information extraction. Variable and category names can be obtained from the table information file (.txt).*

Description

SIDRA FACIL - Framework package for the automated downloading of data from IBGE's SIDRA. This framework is an easy, straightforward tool for downloading data from SIDRA IBGE based on a simple user selection of the desired table number. Upon starting execution, a dialog box prompts the user to enter the number of the desired table. After the user specifies the table number, they are prompted to indicate the local folder where the search data will be saved. A ".txt" file containing all the information (dimensions) of the specified table, years, variables, categories, and geographic granularity is saved by the package in the indicated folder. Dialog boxes are prompted to the user, to indicate sequentially, the years, variables, categories and geographic granularity desired. The information: years, variables, categories, and geographic granularity, must be separated by commas. This system will download The framework will download all the information and ultimately save it to a ".csv" file in the folder specified by the user at the beginning. "results <- sidra_facil()" will allow the results to also be saved in an object in the R Global Environment. The graduated tables will be in long format, with each column named according to the pattern "year_xxxx_var_xxx_cat_xxxx", where "year" corresponds to the data year, "var" to a specific variable, and "cat" to a specific category. This format was designed for sequential use with automated information extraction. Variable and category names can be obtained from the table information file (.txt).

Usage

```
sidra_facil()
```

Value

A data frame containing the downloaded SIDRA data. The selected output files (.txt and .csv) are also written to the directory chosen by the user.

Examples

```
## Not run:
# This function is interactive and prompts the user
# to select the table, parameters, and output folder.
dados <- sidra_facil()

## End(Not run)
```

Index