Package 'siconfir'

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Type Package

Title Quick and Easy Access Tax and Accounting Data of Brazil

Version 1.0.5

Description Access tax and accounting data of Brazilian states
and municipalities provided by the Brazilian Public Sector
Accounting and Tax Information System.

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URL https://github.com/pedrocastroo/siconfir

BugReports https://github.com/pedrocastroo/siconfir/issues

Encoding UTF-8

LazyData true

RoxygenNote 7.1.1

Language en-US

Imports httr, tidyr, tibble, dplyr, magrittr, purrr, utils

Depends R (>= 3.2)

NeedsCompilation no

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R topics documented:

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br_cods   *Basic information of Brazilian municipalities and states*

Description

A data set containing some information about all municipalities, states and the Federal District

Usage

```
br_cods
```

Format

A data frame with 5597 rows and 9 variables:

cod_ibge state or municipality id

ente name of the state or municipality

capital if 1, then it is state capital, if 0 is not capital

regiao abbreviation of the location of the state or municipality, Midwest ("CO"), North ("NO"), Northeast ("NE"), Southeast ("SU") and ("BR") for the Union

uf abbreviation of the name of the state where the municipality is located. For states abbreviation is "BR"

esfera scope of the municipality, state or district. District ("D"), State ("E"), Municipality ("M"), Union ("U")

exercicio year the data was downloaded

populacao population

cnpj id used by companies/entities, called the National Register of Legal Entities

Source

http://apidatalake.tesouro.gov.br/docs/siconfi/#/Entes/get_entes

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find_cod *Find state or municipality information*

Description

Find state or municipality information

Usage

```
find_cod(query, view = FALSE)
```

Arguments

query   is a character

view   is a logical, TRUE open Data Viewer. Default is FALSE

Value

tibble

Examples

```
find_cod("rio de janeiro")
find_cod("bahia")
```

---

get_annex *Attachments of reports by sphere of government*

Description

Refers to the annexes to each of the reports/statements grouped by sphere of government

Usage

```
get_annex(verbose = FALSE)
```

Arguments

verbose   is a logical. Enable verbose mode. Default is FALSE

Value

tibble

Examples

```
get_annex()
```

---

get_annual_acc   *Annual statement of accounts*

Description

set of tables of patrimonial and budgetary data: balance sheet, statement of budgetary revenue.
statement of budgetary expenses by nature, statement of budgetary expenses by function, statement
of execution of remains payable - budgetary expenses by nature, statement of execution of remains
payable - budgetary expenses by function, statement of equity variations

Usage

```
get_annual_acc(year, cod, annex = NULL, verbose = FALSE)
```

Arguments

year	is a numeric vector
cod	is a numeric vector. Brazilian Institute of Geography and Statistics (IBGE) code assigned to each municipality and state.
annex	is a character vector. Default is NULL, it will get all attachments.
verbose	is a logical. Enable verbose mode. Default is FALSE

Details

Possible values for the annex parameter are: "Anexo I-AB","Anexo I-C","Anexo I-D","Anexo
I-E","Anexo I-F","Anexo I-G","Anexo I-HI","DCA-Anexo I-AB","DCA-Anexo I-C","DCA-Anexo
I-D","DCA-Anexo I-E","DCA-Anexo I-F","DCA-Anexo I-G","DCA-Anexo I-HI" For more de-
tails on the parameter cod see the column cod_ibge of the function get_info

Value

tibble

Note

Brazilian Public Sector Accounting and Tax Information System (Siconfi): http://apidatalake.
tesouro.gov.br/docs/siconfi/

See Also

https://www.gov.br/secretariadegoverno/pt-br/portalfederativo/guiainicio/prefeito/
trilhas-100-dias-de-governo/dca-declaracao-de-contas-anuais

Examples

```
get_annual_acc(year = 2019, cod = 35)
```

get_budget   *Budget execution summary report*

Description

The budget execution summary report will contain the following statements: budget balance sheet, statement of execution of expenses by function/subfunction; statement of current net revenue; statement of social security income and expenses; statement of primary and nominal results; statement of remains payable for power and agency; statement of income and expenses with maintenance and development of education; statement of income and expenses with public health actions and services; statement of public-private partnerships; simplified statement of the budget execution summary report.

Usage

```
get_budget(year, period, cod, simple = FALSE, annex = NULL, verbose = FALSE)
```

Arguments

year	is a numeric vector
period	is a numeric vector, bimester of the year, an integer between 1 and 6
cod	is a numeric vector. Brazilian Institute of Geography and Statistics (IBGE) code assigned to each municipality and state.
simple	is a logical. TRUE applies only to municipalities with less than 50 thousand inhabitants that have opted for simplified publication. Default is FALSE
annex	is a character vector. Default is NULL, it will get all attachments.
verbose	is a logical. Enable verbose mode. Default is FALSE

Details

Possible values for the annex parameter are: "01","02","03","04","04 -RGPS","04 -RPPS","04.0 -RGPS","04.1","04.2","04.3 -RGPS","05","06","07","09","10 -RGPS","10 -RPPS","11","13","14". For more details on the parameter cod see the column cod_ibge of the function get_info

Value

tibble

Note

Brazilian Public Sector Accounting and Tax Information System (Siconfi): http://apidatalake. tesouro.gov.br/docs/siconfi/

See Also

https://conteudo.tesouro.gov.br/manuais/index.php?option=com_content&view=article& id=1180:03-00-01-introducao&catid=601&Itemid=675

Examples

```
get_budget(year = 2020, period = 1, cod = 29)
```

---

get_fiscal   *Fiscal management report*

Description

The fiscal management report will contain comparative statements with the limits referred to in the fiscal responsibility law, of the following amounts: total personnel expenses, showing expenses with assets, inactive and pensioners, net consolidated debt, granting of guarantees and counter-guarantees and operation credit.

Usage

```
get_fiscal(
  year,
  period,
  cod,
  freq = "Q",
  annex = NULL,
  power = c("E", "L", "J", "M", "D"),
  verbose = FALSE
)
```

Arguments

year	is a numeric vector
period	is a numeric vector, period of the year, if the parameter `freq` is `"Q"` then it will be an integer between 1 and 3. If `freq` is `"S"` then it will be an integer between 1 and 2.
cod	is a numeric vector. Brazilian Institute of Geography and Statistics (IBGE) code assigned to each municipality and state.
freq	is a character, periodicity of publication of the report, `"S"` is semiannual, `"Q"` is four-month period. The semiannual periodicity (`"S"`) applies only to municipalities with less than 50 thousand inhabitants that opted for simplified publication. Default is `"Q"`
annex	is a numeric vector, an integer between 1 and 6. Default is `NULL`, it will get all attachments.
power	is a character vector, an acronym for each power, executive `"E"`, legislative `"L"`, judiciary `"J"`, public ministry `"M"`, Public defense `"D"`. Default is `c("E","L","J","M","D")`
verbose	is a logical. Enable verbose mode. Default is `FALSE`

Details

For more details on the parameter cod see the column cod_ibge of the function `get_info`

Value

```
tibble
```

Note

Brazilian Public Sector Accounting and Tax Information System (Siconfi): [http://apidatalake.](http://apidatalake.tesouro.gov.br/docs/siconfi/) [tesouro.gov.br/docs/siconfi/](http://apidatalake.tesouro.gov.br/docs/siconfi/)

See Also

[https://conteudo.tesouro.gov.br/manuais/index.php?option=com_content&view=article&](https://conteudo.tesouro.gov.br/manuais/index.php?option=com_content&view=article&id=1344:04-00-01-01-conteudo-do-relatorio&catid=677&Itemid=675) [id=1344:04-00-01-01-conteudo-do-relatorio&catid=677&Itemid=675](https://conteudo.tesouro.gov.br/manuais/index.php?option=com_content&view=article&id=1344:04-00-01-01-conteudo-do-relatorio&catid=677&Itemid=675)

Examples

```
get_fiscal(year = 2019, period = 1:3, cod = 35, power = "E")
get_fiscal(year = 2017, period = 2, annex = 1, cod = 1)
```

---

get_info *Basic information on Brazilian states and municipalities*

Description

Get basic information about all the entities of the federation

Usage

```
get_info(verbose = FALSE)
```

Arguments

verbose   is a logical. Enable verbose mode. Default is FALSE

Value

```
tibble
```

Note

Brazilian Public Sector Accounting and Tax Information System (Siconfi): [http://apidatalake.](http://apidatalake.tesouro.gov.br/docs/siconfi/) [tesouro.gov.br/docs/siconfi/](http://apidatalake.tesouro.gov.br/docs/siconfi/)

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msc_budget   *Budget accounts, accounting balances matrix*

Description

Details of the records reported in the accounting accounts that receive budget entries.

Usage

```
msc_budget(year, month, cod, matrix_type, class, value, verbose = FALSE)
```

Arguments

year	is a numeric vector
month	is a numeric vector
cod	is a numeric vector. Brazilian Institute of Geography and Statistics (IBGE) code assigned to each municipality and state.
matrix_type	is a character. Matrix type, monthly or aggregate "MSCC" or year-end "MSCE"
class	is a numeric vector, integer between 5 and 6. Class of accounting accounts that receive entries of a budgetary nature.
value	is a character. The detailed values can be of three types: opening balance "beginning_balance", movement "period_change" or ending balance "ending_balance"
verbose	is a logical. Enable verbose mode. Default is FALSE

Value

tibble

Note

Refers to the accounting accounts for approval of the approval (class 5) and execution (class 6) of the planning and budget, as well as their respective complementary information

---

msc_control   *Control accounts, accounting balances matrix*

Description

Details of the records informed in the accounting accounts that receive entries of a control nature.

Usage

```
msc_control(year, month, cod, matrix_type, class, value, verbose = FALSE)
```

Arguments

year	is a numeric vector
month	is a numeric vector
cod	is a numeric vector. Brazilian Institute of Geography and Statistics (IBGE) code assigned to each municipality and state.
matrix_type	is a character. Matrix type, monthly or aggregate ″MSCC″ or year-end ″MSCE″
class	is a numeric vector 7 or 8. Class of accounting accounts that receive postings of a control nature.
value	is a character. The detailed values can be of three types: opening balance ″beginning_balance″, movement ″period_change″ or ending balance ″ending_balance″
verbose	is a logical. Enable verbose mode. Default is FALSE

Value

tibble

Note

It refers to the control accounting accounts for checking balances of a debtor nature (class 7) and of a creditor nature (class 8) as well as their respective complementary information.

---

msc_equity	*Equity accounts, accounting balances matrix*

Description

Details of the records informed in the accounting accounts that receive entries of an equity nature.

Usage

```
msc_equity(year, month, cod, matrix_type, class, value, verbose = FALSE)
```

Arguments

year	is a numeric vector
month	is a numeric vector
cod	is a numeric vector. Brazilian Institute of Geography and Statistics (IBGE) code assigned to each municipality and state.
matrix_type	is a character. Matrix type, monthly or aggregate ″MSCC″ or year-end ″MSCE″
class	is a numeric vector, integer between 1 and 4. Class of accounting accounts that receive entries of an equity nature
value	is a character. The detailed values can be of three types: opening balance ″beginning_balance″, movement ″period_change″ or ending balance ″ending_balance″
verbose	is a logical. Enable verbose mode. Default is FALSE

Value

    tibble

Note

It refers to the accounting accounts for assets (class 1), liabilities (class 2), diminishing equity varia-
tions (class 3) and augmenting equity variations (class 4) as well as their respective complementary
information.

---

report_status   *Report status*

Description

Information on approved and corrected reports as well as matrices delivered to SICONFI.

Usage

    report_status(year, cod, verbose = FALSE)

Arguments

year	is a numeric vector
cod	is a numeric vector. Brazilian Institute of Geography and Statistics (IBGE) code assigned to each municipality and state.
verbose	is a logical. Enable verbose mode. Default is FALSE

Value

    tibble

    tibble

Note

Brazilian Public Sector Accounting and Tax Information System (Siconfi): http://apidatalake.
tesouro.gov.br/docs/siconfi/

Examples

    report_status(year = 2020, cod = 35)

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