Package ‘fedz1’

January 30, 2023

Title  An Easier Access to Financial Accounts of the United States(Z.1)

Version 0.1.0


URL https://github.com/shaf1430/fedz1

BugReports https://github.com/shaf1430/fedz1/issues

License MIT + file LICENSE

Encoding UTF-8

Depends R (>= 2.10)

LazyData true

RoxygenNote 6.1.1

Suggests testthat

NeedsCompilation no

Author Hamid Shafiezadeh [aut, cre]

Maintainer Hamid Shafiezadeh <shafiezadehhamid@gmail.com>

Repository CRAN

Date/Publication 2023-01-30 16:20:08 UTC

R topics documented:

all_tables_title .......................................................... 2
get_series ................................................................. 2
meaning_of_prefix ........................................................ 4
mprefix ................................................................. 4
prds ................................................................. 5
get_series

search_series ......................................................... 5
search_tables ........................................................... 6
table_desc ............................................................... 6
table_detail ............................................................... 7

Index

all_tables_title  Title of tables

Description

all_tables_title() returns title of all tables. It is helpful to get familiar with available tables. Each table contains a number of data set.

Usage

all_tables_title()

Value

A tibble of title of all tables

See Also


Examples

all_tables_title()

data

data

Description

The function returns data series or tables. Due to CRAN package size requirements, the data is stored on github.

Usage

get_series(choice = c("series", "tables"))

Arguments

choice can be "series" or "tables"
Details

get_series() load entire series or tables. For example: get_series(choice="series") series_data contains all series available in flow of funds and tables_data contains all tables and series

Value

series or tables

series_data

• date - Time-period
• value - Observed-Value
• SERIES_NAME - name of a series. There are more than twenty thousands series exist
• CURRENCY - USD or NA. NA means series is percent or index
• SERIES_PREFIX - Each prefix letters indicate the series type. see fedz1:::meaning_of_prefix()
• UNIT - Currency, percent or index
• UNIT_MULT - 1,1,000 or 1,000,000
• short description _ description of the series
• FREQ - A:annually data; Q:quarterly data

tables_data

• tname - name of a table
• SERIES_NAME - name of a series. There are more than twenty thousands series exist
• Description - Long Description of series
• date - Time-period
• value - Observed-Value
• UNIT - Currency, percent or index

See Also

https://www.federalreserve.gov/datadownload/Choose.aspx?rel=z1
**Description**

meaning_of_prefix() returns definition of series. Each series start with two letters. Each prefix letters indicate the series type.

**Usage**

meaning_of_prefix(prefix)

**Arguments**

prefix is SERIES_PREFIX. Value could be FA, FC, FG, FI, FL, FR, FS, FU, FV, LA, LM, PC.

**Value**

character for definition of series

**See Also**


**Examples**

meaning_of_prefix("FL")

---

**mprefix**

**Meaning of prefix**

**Description**

Each prefix letters indicate the series type

**Usage**

mprefix

**Format**

mprefix

A data frame with 12 rows and 2 columns:

- **SERIES_PREFIX** prefix of series
- **meaning** meaning of a prefix
Source


Description

Data is obtained from a web scraping from flow of funds website

Usage

prds

Format

prds
A data frame with 11,291 rows and 2 columns:

<table>
<thead>
<tr>
<th>title1</th>
<th>series name</th>
</tr>
</thead>
<tbody>
<tr>
<td>short description</td>
<td>description of the series</td>
</tr>
</tbody>
</table>

Source

https://www.federalreserve.gov/datadownload/Choose.aspx?rel=z1

Description

search_series() return all series with the search. For example: search_series("Real estate investment trusts")

Usage

search_series(series)

Arguments

series is SERIES name

Value

A tibble of series
**search_tables**

*search tables*

**Description**

`search_tables()` return series associated with a table

**Usage**

`search_tables(tables)`

**Arguments**

- `tables` is table name

**Value**

A tibble of series in a table

**Examples**

`search_tables("Nonfinancial Corporate Business")`

---

**table_descr**

*Description of a table*

**Description**

`table_descr()` return the definition of a table. Each table contains a number of data set.

**Usage**

`table_descr(table_title)`

**Arguments**

- `table_title` is name of a single table or vector of multiple tables. You can obtain title of tables by `all_tables_title()`

**Value**

character for definition of a table(s)

**See Also**

Examples

```r
table descr('Credit Unions')
table descr(c('Net Capital Transfers','Closed-End Funds'))
```

---

**Title of tables**

<table>
<thead>
<tr>
<th>table_detail</th>
<th>Description</th>
<th>Usage</th>
<th>Format</th>
<th>Source</th>
</tr>
</thead>
</table>
Index

* datasets
  * mprefix, 4
  * prds, 5
  * table_detail, 7

all_tables_title, 2
get_series, 2
meaning_of_prefix, 4
mprefix, 4
prds, 5
search_series, 5
search_tables, 6
table_descr, 6
table_detail, 7