

# Package ‘fedz1’

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

**Version** 0.1.0

**Description** Flow of funds are financial accounts that are provided by Federal Reserve quarterly. The package contains all datasets <<https://www.federalreserve.gov/datadownload/Choose.aspx?rel=z1>>, tables <<https://www.federalreserve.gov/apps/fof/FOFTables.aspx>> and descriptions <[https://www.federalreserve.gov/apps/fof/Guide/z1\\_tables\\_description.pdf](https://www.federalreserve.gov/apps/fof/Guide/z1_tables_description.pdf)> with functions to understand series <<https://www.federalreserve.gov/apps/fof/SeriesStructure.aspx>> and explore them.

**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

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**Repository** CRAN

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all_tables_title	<i>Title of tables</i>
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### 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

<https://www.federalreserve.gov/apps/fof/FOFTables.aspx>

### Examples

```
all_tables_title()
```

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get_series	<i>Data</i>
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### 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>

<https://www.federalreserve.gov/apps/fof/FOFTables.aspx>

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meaning_of_prefix	<i>Definition of series prefix</i>
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**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.
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**Value**

character for definition of series

**See Also**

<https://www.federalreserve.gov/apps/fof/SeriesStructure.aspx>

**Examples**

```
meaning_of_prefix("FL")
```

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mprefix	<i>Meaning of prefix</i>
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**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**

<https://www.federalreserve.gov/apps/fof/SeriesStructure.aspx>

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prds	<i>Title of series with a short description</i>
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**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:

**title1** series name

**short description** description of the series

**Source**

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

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search_series	<i>search series</i>
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**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

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search_tables	<i>search tables</i>
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**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")
```

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table_descr	<i>Description of a table</i>
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**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**

[https://www.federalreserve.gov/apps/fof/Guide/z1\\_tables\\_description.pdf](https://www.federalreserve.gov/apps/fof/Guide/z1_tables_description.pdf)

**Examples**

```
table_descr('Credit Unions')
table_descr(c('Net Capital Transfers', "Closed-End Funds"))
```

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table_detail	<i>Title of tables</i>
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**Description**

Data is obtained from a web scraping from Financial Accounts Guide

**Usage**

```
table_detail
```

**Format**

```
table_detail
```

A data frame with 198 rows and 3 columns:

**summary** title as shows on the source website

**name** title of the table

**code** code of each table as shows on the source website

**Source**

<https://www.federalreserve.gov/apps/fof/FOFTables.aspx>

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