

Package ‘BOJ’

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Type Package

Title Interface to Bank of Japan Statistics

Version 0.3.4

Description Provides an interface to Bank of Japan <<https://www.boj.or.jp>> statistics.

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URL <https://github.com/stefanangrick/BOJ>

BugReports <https://github.com/stefanangrick/BOJ/issues>

Suggests knitr, rmarkdown, ggplot2, zoo

Imports dplyr, readr, tidyr, tidyselect, rvest, xml2

VignetteBuilder knitr

Encoding UTF-8

RoxygenNote 7.3.2

NeedsCompilation no

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Repository CRAN

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Contents

| | |
|----------------------------|----------|
| get_boj | 2 |
| get_boj_datasets | 2 |
| pivot_longer_boj | 3 |
| Index | 4 |

get_boj *Download and parse a BOJ data set*

Description

Download and parse a BOJ data set

Usage

```
get_boj(item_url, auto_pivot = TRUE, ...)
```

Arguments

| | |
|------------|---|
| item_url | Character. URL of the data set to be imported (usually obtained via get_boj_datasets()). |
| auto_pivot | Logical. Controls whether source data set is converted to long format. Set this to FALSE to disable conversion (default: TRUE). |
| ... | Arguments passed to download.file() (e.g. quiet = TRUE). |

Value

A tibble data frame, or a list of tibble data frames in cases where the source zip file contains multiple csv files.

Examples

```
ds <- get_boj_datasets()
df <- get_boj(ds$url[(ds$name == "sppi_q_en")])
```

get_boj_datasets *Retrieve a list of available BOJ data sets*

Description

Retrieve a list of available BOJ data sets

Usage

```
get_boj_datasets(
  base_url = "https://www.stat-search.boj.or.jp/info/dload_en.html"
)
```

Arguments

| | |
|----------|---|
| base_url | Character. URL of the BOJ's Time-Series Data portal flat files page (optional). |
|----------|---|

Value

A tibble data frame.

Examples

```
ds <- get_boj_datasets()
```

pivot_longer_boj *Convert a BOJ data set to long format*

Description

Convert a BOJ data set to long format

Usage

```
pivot_longer_boj(tbl)
```

Arguments

`tbl` Tibble. A tibble data frame containing a BOJ data set (usually obtained via `get_boj(item_url, auto_pivot = FALSE)`).

Value

A tibble data frame in long format.

Examples

```
ds <- get_boj_datasets()
sppi <- get_boj(ds$url[(ds$name == "sppi_q_en")], auto_pivot = FALSE)
sppi <- subset(sppi, code == "PRCS15_52S0000000_CQ")
sppi <- pivot_longer_boj(sppi)
```

Index

`get_boj`, [2](#)
`get_boj_datasets`, [2](#)
`pivot_longer_boj`, [3](#)