

# Package ‘BOJ’

July 21, 2025

**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.

**License** MIT + file LICENSE

**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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| get_boj | <i>Download and parse a BOJ data set</i> |
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**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")])
```

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|------------------|---------------------------------------------------|
| get_boj_datasets | <i>Retrieve a list of available BOJ data sets</i> |
|------------------|---------------------------------------------------|

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**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()
```

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|-------------------------------|----------------------------------------------|
| <code>pivot_longer_boj</code> | <i>Convert a BOJ data set to long format</i> |
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**Description**

Convert a BOJ data set to long format

**Usage**

```
pivot_longer_boj(tbl)
```

**Arguments**

|                  |                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <code>tbl</code> | Tibble. A tibble data frame containing a BOJ data set (usually obtained via <code>get_boj(item_url, auto_pivot = FALSE)</code> ). |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------|

**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)
```

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