

# Package ‘kokodosuuchi’

July 22, 2025

**Type** Package

**Title** Utilities for 'Kokudo Suuchi'

**Version** 1.0.0

**Description** Provides utilities for 'Kokudo Suuchi', the GIS data service of the Japanese government.  
See <<https://nlftp.mlit.go.jp/index.html>> for more information.

**URL** <https://yutannihilation.github.io/kokodosuuchi/>,  
<https://github.com/yutannihilation/kokodosuuchi>

**BugReports** <https://github.com/yutannihilation/kokodosuuchi/issues>

**License** MIT + file LICENSE

**Depends** R (>= 2.10)

**Imports** glue, rlang, sf, stringr, tibble

**Suggests** testthat

**LazyData** TRUE

**RoxygenNote** 7.1.1

**Encoding** UTF-8

**Config/testthat/edition** 3

**NeedsCompilation** no

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**Repository** CRAN

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 kokudosuuchi

*Utilities for 'Kokudo Suuchi'*


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### Description

Provides utilities for 'Kokudo Suuchi', the GIS data service of the Japanese government. See <<https://nlftp.mlit.go.jp/index.html>> for more information.

### Author(s)

**Maintainer:** Hiroaki Yutani <yutani.ini@gmail.com> ([ORCID](#))

### See Also

[http://nlftp.mlit.go.jp/ksj/api/about\\_api.html](http://nlftp.mlit.go.jp/ksj/api/about_api.html)

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 readKSJData

*Read JPGIS2.1 Data*


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### Description

readKSJData() is an utility to read data downloaded from 'Kokudo Suuchi' service.

### Usage

```
readKSJData(x, encoding = "CP932")
```

### Arguments

|          |                                                                           |
|----------|---------------------------------------------------------------------------|
| x        | A path to a ZIP file or to a directory that contains the extracted files. |
| encoding | Encoding of the data.                                                     |

### Examples

```
## Not run:
# Download a ZIP file from kokudosuuchi website
zip_file <- tempfile(fileext = ".zip")
url <- "https://nlftp.mlit.go.jp/ksj/gml/data/W07/W07-09/W07-09_3641-jgd_GML.zip"
download.file(url, zip_file)

# Load all data as sf objects
d <- readKSJData(zip_file)

# Translate colnames and 'codelist' type columns
translateKSJData(d)

## End(Not run)
```

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|                  |                                |
|------------------|--------------------------------|
| translateKSJData | <i>Translate JPGIS2.1 Data</i> |
|------------------|--------------------------------|

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**Description**

translateKSJData() translates colnames and 'codelist'-type of columns to human-readable labels.

**Usage**

```
translateKSJData(  
  x,  
  id = NULL,  
  variant = NULL,  
  quiet = TRUE,  
  translate_colnames = TRUE,  
  translate_codelist = TRUE  
)
```

**Arguments**

|                    |                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------|
| x                  | A list of <a href="#">sf</a> objects.                                                               |
| id                 | An ID of the dataset (e.g. A03). This can be NULL if x is loaded by <a href="#">readKSJData()</a> . |
| variant            | A type of variant in case the translation cannot be determined only by id.                          |
| quiet              | If TRUE, suppress messages.                                                                         |
| translate_colnames | If TRUE, translate colnames to human-readable labels.                                               |
| translate_codelist | If TRUE, translate codes to human-readable labels.                                                  |

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