

Package ‘kokodosuuchi’

January 26, 2018

Type Package

Title R Interface to 'Kokudo Suuchi' API

Version 0.4.2

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Description

Provides an interface to 'Kokudo Suuchi' API, the GIS data service of the Japanese government.
See <<http://nlftp.mlit.go.jp/ksj-e/index.html>> for more information.

URL <https://github.com/yutannihilation/kokodosuuchi>

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

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Depends R (>= 2.10)

Imports curl, dplyr, glue, httr, purrr (>= 0.2), rlang, sf, shiny,
stringr, tibble, tools, xml2 (>= 1.2.0)

Suggests readr, testthat

LazyData TRUE

RoxygenNote 6.0.1.9000

Encoding UTF-8

NeedsCompilation no

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choose_prefecture_code

Choose Prefecture Codes Interactively

Description

Display a popup window with prefectures checkboxes, and return the codes of checked prefectures.

Usage

choose_prefecture_code()

getKSJData

Get JPGIS2.1 Data

Description

getKSJData tries to download and load spatial data from Kokudo Suuchi service. Note that this function does not use API; directly download ZIP file and load the data by [read_sf](#). `translateKSJColnames` translates the column names of data (e.g. W05_001) into human readable ones. By default, this is automatically done in `getKSJData`.

Usage

getKSJData(zip_file, cache_dir = tempdir(), encoding = "CP932")

translateKSJData(x, quiet = TRUE)

Arguments

zip_file	Either a URL, a path to a zip file, or a path to a directory which contains shape files.
cache_dir	Path to a directory for caching zip files.
encoding	Encoding of the data.
x	Object of class sf
quiet	If TRUE, suppress messages.

See Also

http://nlftp.mlit.go.jp/ksj/api/about_api.html

Examples

```
## Not run:
l <- getKSJData("http://nlftp.mlit.go.jp/ksj/gml/data/W07/W07-09/W07-09_3641-jgd_GML.zip")
names(l)
str(l, max.level = 1)

l_translated <- translateKSJData(l)
names(l)

## End(Not run)
```

getKSJSummary

getKSJSummary API

Description

Get summary information via Kokudo Suuchi API.

Usage

```
getKSJSummary(appId = "ksjapibeta1", lang = "J", dataformat = 1)
```

Arguments

appId	Application ID. Currently, no per-user appId is provided. "ksjapibeta1" is the only choice.
lang	Language. Currently J (Japanese) is the only choice.
dataformat	Data format. Currently 1 (JPGIS2.1) is the only choice.

See Also

http://nlftp.mlit.go.jp/ksj/api/about_api.html

`getKSJURL`*getKSJURL API*

Description

Get the URLs of the data via Kokudo Suuchi API.

Usage

```
getKSJURL(identifier, prefCode = NULL, meshCode = NULL, metroArea = NULL,
  fiscalyear = NULL, appId = "ksjapibeta1", lang = "J", dataformat = 1)
```

Arguments

<code>identifier</code>	Data identifier. (e.g. "N02")
<code>prefCode</code>	Prefecture code. You can easily get the codes by using choose_prefecture_code . This is valid only when <code>areaType</code> is 3.
<code>meshCode</code>	Mesh code. This is valid only when <code>areaType</code> is 4.
<code>metroArea</code>	Metro-area code. This is valid only when <code>areaType</code> is 2.
<code>fiscalyear</code>	Fiscal year. (e.g. "2014", "2014, 2015", "2005-2015", "2000, 2005-2015")
<code>appId</code>	Application ID. Currently, no per-user <code>appId</code> is provided. "ksjapibeta1" is the only choice.
<code>lang</code>	Language. Currently J (Japanese) is the only choice.
<code>dataformat</code>	Data format. Currently 1 (JPGIS2.1) is the only choice.

See Also

http://nlftp.mlit.go.jp/ksj/api/about_api.html

Examples

```
## Not run:
getKSJURL("W05", prefCode = c(27, 28))
getKSJURL("W05", prefCode = choose_prefecture_code())

## End(Not run)
```

kokodosuuchi	<i>Kokudo Suuchi Joho - Download Japanese National Land Numerical Information</i>
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Description

Use the Kokudo Suuchi Joho API

See Also

http://nlftp.mlit.go.jp/ksj/api/about_api.html

KSJMetadata_code	<i>Corresponding Table Of Shapefile Properties</i>
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Description

Corresponding Table Of Shapefile Properties

Usage

KSJMetadata_code

KSJMetadata_code_correspondence_tables

KSJMetadata_code_year_cols

Format

A data.frame with code and names

Source

<http://nlftp.mlit.go.jp/ksj/index.html>, http://nlftp.mlit.go.jp/ksj/gml/shape_property_table.xls

<http://nlftp.mlit.go.jp/ksj/index.html>

<http://nlftp.mlit.go.jp/ksj/index.html>

KSJMetadata_description_url

Corresponding Table Of Identifier Descriptions

Description

Corresponding Table Of Identifier Descriptions

Usage

KSJMetadata_description_url

Format

A data.frame with identifier and URLs of the description pages

Source

<http://nlftp.mlit.go.jp/ksj/index.html>

KSJPrefCodes

Corresponding Table Of Names And Codes Of Prefectures

Description

Corresponding Table Of Names And Codes Of Prefectures

Corresponding Table Of Names And Codes Of Prefectures

Usage

KSJPrefCodes

KSJPrefCodes

Format

A data.frame with prefecture names and codes

Source

<http://nlftp.mlit.go.jp/ksj/gml/codelist/PrefCd.html>

<http://nlftp.mlit.go.jp/ksj/gml/codelist/PrefCd.html>

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