

Package ‘jpndistrict’

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Type Package

Title Create Japanese Administration Area and Office Maps

Version 0.3.1

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Description Utilizing the data that Japanese administration area provided by the National Land Numerical Information download service (<<http://nlftp.mlit.go.jp/ksj/index.html>>).

This package provide map data is based on the Digital Map 25000 (Map Image) published by Geospatial Information Authority of Japan (Approval No.603FY2017 information usage <<http://www.gsi.go.jp>>).

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URL <https://github.com/uribo/jpndistrict#readme>

BugReports <https://github.com/uribo/jpndistrict/issues>

Depends jpmesh (>= 1.0.0), R (>= 3.1.2)

Imports dplyr (>= 0.7.4), leaflet (>= 1.1.0), magrittr (>= 1.5), miniUI (>= 0.1.1), purrr (>= 0.2.4), rlang (>= 0.1.4), sf (>= 0.5-5), shiny (>= 0.13), tibble (>= 1.3.4), tidyr (>= 0.7.2)

Suggests knitr, rvest, testthat, covr

Encoding UTF-8

LazyData true

RoxygenNote 6.0.1

NeedsCompilation no

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collect_cityarea	<i>Collect administration area</i>
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Description

Collect administration area

Usage

```
collect_cityarea(path = NULL)
```

Arguments

path path to N03 shapefile (if already exist)

collect_ksj_p34	<i>Collect administration office point datasets.</i>
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Description

Collect administration office point datasets.

Usage

```
collect_ksj_p34(path = NULL)
```

Arguments

path	path to P34 shapefile (if already exist)
------	--

collect_prefcode	<i>Get prefecture code (JIS X 0402)</i>
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Description

Get prefecture code from prefecture of name or number.

Usage

```
collect_prefcode(code = NULL, admin_name = NULL)
```

Arguments

code	numeric
admin_name	prefecture code for Japanese (character)

district_viewer	<i>District Viewer</i>
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Description

Interactive district map and information tool.

Usage

```
district_viewer(pref_code = 33, color = "red")
```

Arguments

pref_code	prefecture code (default 33)
color	polygon line color for leaflet

Examples

```
## Not run:  
district_viewer()  
  
## End(Not run)
```

find_city	<i>Detect city by coordinates</i>
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Description

Detect city by coordinates

Usage

```
find_city(longitude, latitude, ...)
```

Arguments

longitude	longitude
latitude	latitude
...	export parameter to other functions

Note

The find_city function was added in version 0.3.0

Examples

```
## Not run:  
find_city(longitude = 140.1137418, latitude = 36.0533957)  
  
## End(Not run)
```

find_pref	<i>Detect prefecture by coordinates</i>
-----------	---

Description

Detect prefecture by coordinates

Usage

```
find_pref(longitude, latitude, ...)
```

Arguments

longitude	longitude
latitude	latitude
...	export parameter to other functions

Note

The find_pref function was added in version 0.3.0

Examples

```
## Not run:  
find_pref(longitude = 130.4412895, latitude = 30.2984335)  
  
## End(Not run)
```

find_prefs	<i>Detect prefectures by coordinates</i>
------------	--

Description

Detect prefectures by coordinates

Usage

```
find_prefs(longitude, latitude)
```

Arguments

longitude	longitude
latitude	latitude

Examples

```
## Not run:  
find_prefs(longitude = 122.940625, latitude = 24.4520833334)  
find_prefs(longitude = 140.1137418, latitude = 36.0533957)  
  
## End(Not run)
```

jpn_prefs	<i>Prefectural informations in Japan</i>
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Description

Prefectures dataset.

Usage

```
jpn_prefs
```

Format

A data frame with 47 rows 7 variables:

- jis_code: jis code
- prefecture: prefecture names
- capital: capital name for prefecture
- region: region
- major_island:
- capital_latitude: latitude for catital
- capital_longitude: longitude for catital

jpn_admins	<i>Simple features for administration office points</i>
------------	---

Description

Name and geolocations for administration offices in prefecture.

Usage

```
jpn_admins(jis_code)
```

Arguments

jis_code jis code for prefecture and city identifiical number

Value

data.frame. contains follow columns jis_code, type, name, address, longitude and latitude.

Examples

```
## Not run:
jpn_admins(jis_code = 17)

## End(Not run)
```

jpn_cities	<i>Simple features for city area polygons</i>
------------	---

Description

City area polygon data. When an administrative name (jis_code_city) or code (jis_code_city) is specified as an argument, the target city data is extracted. If neither is given, it becomes the data of the target prefecture.

Usage

```
jpn_cities(jis_code, admin_name)
```

Arguments

jis_code	jis code for prefecture and city identical number
admin_name	administration name

Examples

```
jpn_cities(jis_code = 33103)
jpn_cities(jis_code = c(33103, 33104, 33205))
jpn_cities(jis_code = c(33103, 34107))
```

jpn_pref	<i>Simple features for prefecture area polygon</i>
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Description

Prefecture polygon data.

Usage

```
jpn_pref(pref_code, admin_name, district = TRUE, download = FALSE,
drop_sinkyokyoku = TRUE)
```

Arguments

pref_code jis code from 1 to 47 (integer)
 admin_name prefecture names (string)
 district logical (default TRUE)
 download logical (default FALSE).
 drop_sinkyokyoku
 if TRUE, drop sichyo_sinkyokyoku variable (default TRUE)

Details

Collect unit of prefecture simple feature data.frame objects.. If download argument is TRUE, download administrative area data from the National Land Numeral Information Download Service (for law data).

Examples

```
## Not run:
jpn_pref(pref_code = 33, district = FALSE)
jpn_pref(pref_code = 14, district = TRUE)

## End(Not run)
```

mesh_district	<i>Export district's mesh polygon</i>
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Description

Export district's mesh polygon

Usage

```
mesh_district(jis_code = NULL)
```

Arguments

jis_code jis code for prefecture and city identical number

Examples

```
## Not run:
mesh_district(jis_code = 33101)

## End(Not run)
```

path_ksj_cityarea *Download KSJ N03 zip files*

Description

Download KSJ N03 zip files

Usage

`path_ksj_cityarea(code = NULL, path = NULL)`

Arguments

<code>code</code>	prefecture code (JIS X 0402)
<code>path</code>	path to N03 shapefile (if already exist)

prefecture_mesh *Prefecture's meshcode*

Description

Prefectures dataset.

Usage

`prefecture_mesh`

Format

A simple feature data frame with 314 rows 6 variables:

- `pref_code`: prefecture code
- `prefecture`: name
- `city_code`: city code (JIS code)
- `city`: name
- `geometry`

pref_code	<i>Get prefecture code from jis code</i>
-----------	--

Description

Get prefecture code from jis code

Usage

```
pref_code(jis_code)
```

Arguments

jis_code	jis code
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raw_bind_cityareas	<i>Intermediate function</i>
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Description

Intermediate function

Usage

```
raw_bind_cityareas(pref)
```

Arguments

pref	sf object (prefecture)
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read_ksj_cityarea	<i>Intermediate function</i>
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Description

Download N03 raw data files or loading if file exists.

Usage

```
read_ksj_cityarea(code = NULL, path = NULL)
```

Arguments

code	prefecture code (JIS X 0402)
path	path to N03 shapefile (if already exist)

read_ksj_p34	<i>Intermediate function</i>
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Description

Intermediate function

Usage

```
read_ksj_p34(pref_code = NULL, path = NULL)
```

Arguments

pref_code	prefecture code (JIS X 0402)
path	path to P34 shapefile (if already exist)

which_pol_min	<i>Internal function</i>
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Description

Internal function

Usage

```
which_pol_min(longitude, latitude, ...)
```

Arguments

longitude	longitude
latitude	latitude
...	export parameter to other functions

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