

Package ‘jpcity’

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Type Package

Title Read and Convert Japanese Municipality Codes

Version 0.1.1

Description Read Japanese city codes (<https://www.e-stat.go.jp/municipalities/cities>) to get city and prefecture names, or convert to city codes at different points in time. In addition, it merges or splits wards of designated cities and gets all city codes at a specific point in time.

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Encoding UTF-8

RoxygenNote 7.2.3

Depends R (>= 4.1)

Imports cli, dplyr, lubridate, pillar, purrr, rlang, stringr, tibble, vctrs

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

URL <https://uchidamizuki.github.io/jpcity/>

NeedsCompilation no

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Repository CRAN

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as_pref	<i>Coerce an object to a jpcity_pref object</i>
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Description

Coerce an object to a jpcity_pref object

Usage

```
as_pref(x)
```

Arguments

x A integer vector, a jpcity_city object or a jpcity_pref object.

Value

A jpcity_pref object.

city_code	<i>Get city codes</i>
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Description

Get city codes

Usage

```
city_code(city)
```

Arguments

city A jpcity_city object.

Value

A character vector of city codes.

city_convert	<i>Convert to cities at different points in time</i>
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Description

Convert to cities at different points in time

Usage

```
city_convert(city, from, to)
```

Arguments

city	A jpcity_city object.
from	A character (year, month, and day components) or date-time object of the starting date.
to	A character (year, month, and day components) or date-time object of the ending date.

Value

A list of a jpcity_city object.

Examples

```
city <- parse_city(c("01201", "01202"))
city_convert(city,
             from = "1970-04-01",
             to = "2020-01-01")
```

city_desig_merge	<i>Merge designated city wards</i>
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Description

Merge designated city wards

Usage

```
city_desig_merge(city, merge_tokyo = FALSE)
```

Arguments

city	A jpcity_city object.
merge_tokyo	Whether to merge Tokyo special wards?

Value

A `jpcity_city` object.

Examples

```
city <- parse_city(c("01101", "13101"))
city_desig_merge(city)
city_desig_merge(city,
  merge_tokyo = TRUE)
```

<code>city_desig_split</code>	<i>Split designated cities into wards</i>
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Description

Split designated cities into wards

Usage

```
city_desig_split(city, split_tokyo = TRUE)
```

Arguments

<code>city</code>	A <code>jpcity_city</code> object.
<code>split_tokyo</code>	Whether to split into Tokyo special wards?

Value

A list of a `jpcity_city` object.

Examples

```
city <- parse_city(c("01100", "13100"))
city_desig_split(city)
city_desig_split(city,
  split_tokyo = FALSE)
```

city_interval	<i>Get city duration</i>
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Description

Get city duration

Usage

```
city_interval(city, intersect = FALSE)
```

Arguments

city	A jpcity_city object.
intersect	Whether to get the common part of the duration of cities.

Value

A interval vector of the duration of cities.

city_name	<i>Get city names</i>
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Description

Get city names

Usage

```
city_name(city, type = c("city_desig", "city"), sep = "", kana = FALSE)
```

Arguments

city	A jpcity_city object.
type	Types of city names. By default, returns both designated city names ("city_desig") and city names ("city").
sep	Separator for city names.
kana	Whether to use hiragana or not?

Value

A character vector of city names.

find_city	<i>Find cities by string patterns</i>
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Description

Find cities by string patterns

Usage

```
find_city(patterns, when = NULL)
```

Arguments

patterns	Patterns to look for. If multiple patterns are given, find the cities that match all patterns.
when	A character (year, month, and day components) or date-time object.

Value

A `jpcity_city` object.

get_city	<i>Get cities at a specific point in time</i>
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Description

Get cities at a specific point in time

Usage

```
get_city(when)
```

Arguments

when	A character (year, month, and day components) or date-time object.
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Value

A `jpcity_city` object.

Examples

```
get_city("2020-01-01")
```

is_city	<i>Test if the object is a jpcity_city object</i>
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Description

Test if the object is a jpcity_city object

Usage

is_city(x)

Arguments

x An object.

Value

TRUE if the object inherits from the jpcity_city class.

is_pref	<i>Test if the object is a jpcity_pref object</i>
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Description

Test if the object is a jpcity_pref object

Usage

is_pref(x)

Arguments

x An object.

Value

TRUE if the object inherits from the jpcity_pref class.

parse_city	<i>Parse city codes</i>
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Description

Parse city codes

Usage

```
parse_city(city_code, when = NULL, na = c("", "NA"))
```

Arguments

city_code	A character vector of city codes.
when	A character (year, month, and day components) or date-time object.
na	A character vector to be treated as missing values.

Value

A `jpcity_city` object.

parse_pref	<i>Parse prefecture codes or names</i>
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Description

Parse prefecture codes or names

Usage

```
parse_pref(pref_name)
```

Arguments

pref_name	A character vector of prefecture codes or names.
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Value

A `jpcity_pref` object.

pref_code	<i>Get prefecture codes</i>
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Description

Get prefecture codes

Usage

```
pref_code(city)
```

Arguments

city A `jpcity_city` or `jpcity_pref` object.

Value

A integer vector of prefecture codes.

pref_name	<i>Get prefecture names</i>
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Description

Get prefecture names

Usage

```
pref_name(city)
```

Arguments

city A `jpcity_city` object.

Value

A character vector of prefecture names.

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