

Package ‘CNID’

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Type Package

Title Get Basic Information from Chinese ID Number

Version 2.1.1

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Description The Chinese ID number contains a lot of information,
this package helps you get the region, date of birth, age,
age based on year, gender, zodiac, constellation information from
the Chinese ID number.

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URL <https://github.com/chuxinyuan/cnid>

BugReports <https://github.com/chuxinyuan/cnid/issues>

Depends R (>= 3.5.0)

RoxygenNote 7.3.2

Suggests testthat (>= 2.1.0)

Encoding UTF-8

NeedsCompilation no

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age	<i>Get age information from ID number</i>
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Description

Get age information from ID number, to the day.

Usage

age(id)

Arguments

id A vector of ID numbers.

Value

Age vector obtained from ID numbers.

Examples

```
id = c(
  "653127198503161793",
  "652801197305161555",
  "130206202202291545",
  "110101841125178",
  "12345678",
  "65312a198204181793"
)
age(id)
```

`age_by_year`*Get age information from ID number*

Description

Get age information from ID number, only by year, not the specific date.

Usage

```
age_by_year(id)
```

Arguments

`id` A vector of ID numbers.

Value

Age vector obtained from ID numbers.

Examples

```
id = c(
  "653127198503161793",
  "652801197305161555",
  "130206202202291545",
  "110101841125178",
  "12345678",
  "65312a198204181793"
)
age_by_year(id)
```

`birth_date`*Get date of birth information from ID number*

Description

Get date of birth information from ID number.

Usage

```
birth_date(id)
```

Arguments

`id` A vector of ID numbers.

Value

Date of birth vector obtained from ID numbers.

Examples

```
id = c(
  "653127198503161793",
  "652801197305161555",
  "130206202202291545",
  "110101841125178",
  "12345678",
  "65312a198204181793"
)
birth_date(id)
```

check_id

Check whether the ID number is valid

Description

Check whether the ID number is valid.

Usage

```
check_id(id)
```

Arguments

id A vector of ID numbers.

Value

A vector of TRUE or FALSE.

Examples

```
id = c(
  "653127198503161793",
  "652801197305161555",
  "130206202202291545",
  "110101841125178",
  "12345678",
  "65312a198204181793"
)
check_id(id)
```

`cnid_info`*Get full information from ID number*

Description

Get full information from ID number.

Usage

```
cnid_info(id)
```

Arguments

`id` A vector of ID numbers.

Value

A data frame about date of birth, age, gender, etc. obtained from ID number.

Examples

```
id = c(
  "653127198503161793",
  "652801197305161555",
  "130206202202291545",
  "110101841125178",
  "12345678",
  "65312a198204181793"
)
cnid_info(id)
```

`convert18`*Convert the 15 Digits ID Number to 18 Digits*

Description

Convert the 15 Digits ID Number to 18 Digits.

Usage

```
convert18(id)
```

Arguments

`id` A vector of ID numbers.

Value

The corresponding 18 digits ID number.

Examples

```
id = c(
  "653127198503161793",
  "652801197305161555",
  "130206202202291545",
  "110101841125178",
  "12345678",
  "65312a198204181793"
)
convert18(id)
```

cstl

Get constellation information from ID number

Description

Get constellation information from ID number.

Usage

```
cstl(id)
```

Arguments

id A vector of ID numbers.

Value

Constellation vector obtained from ID numbers.

Examples

```
id = c(
  "653127198503161793",
  "652801197305161555",
  "130206202202291545",
  "110101841125178",
  "12345678",
  "65312a198204181793"
)
cstl(id)
```

gender	<i>Get gender information from ID number</i>
--------	--

Description

Get gender information from ID number.

Usage

```
gender(id)
```

Arguments

id	A vector of ID numbers.
----	-------------------------

Value

Gender vector obtained from ID numbers.

Examples

```
id = c(
  "653127198503161793",
  "652801197305161555",
  "130206202202291545",
  "110101841125178",
  "12345678",
  "65312a198204181793"
)
gender(id)
```

leap_year	<i>Calculate whether a given year is a leap year</i>
-----------	--

Description

Calculate whether a given year is a leap year.

Usage

```
leap_year(year)
```

Arguments

year	A given year, vectorization parameter passing is supported.
------	---

Value

TRUE or FALSE. Return TRUE if it is a leap year, FALSE otherwise.

Examples

```
leap_year(2024)
```

mdays	<i>Calculate the number of days in a given year and month</i>
-------	---

Description

Calculate the number of days in a given year and month.

Usage

```
mdays(year, month)
```

Arguments

- year A given year.
- month A given month, vectorization parameter passing is supported.

Value

Days in a given year and month.

Examples

```
mdays(2025, 1:12)
```

region	<i>Get region information from ID number</i>
--------	--

Description

Get region information from ID number.

Usage

```
region(id)
```

Arguments

- id A vector of ID numbers.

Value

Region vector obtained from ID numbers.

Examples

```
id = c(
  "653127198503161793",
  "652801197305161555",
  "130206202202291545",
  "110101841125178",
  "12345678",
  "65312a198204181793"
)
region(id)
```

ydays

Calculate the number of days in a given year

Description

Calculate the number of days in a given year.

Usage

```
ydays(year)
```

Arguments

year A given year, vectorization parameter passing is supported.

Value

Days in a given year.

Examples

```
ydays(2025)
```

`zodiac`*Get zodiac information from ID number*

Description

Get zodiac information from ID number.

Usage

```
zodiac(id)
```

Arguments

`id` A vector of ID numbers.

Value

Zodiac vector obtained from ID numbers.

Examples

```
id = c(
  "653127198503161793",
  "652801197305161555",
  "130206202202291545",
  "110101841125178",
  "12345678",
  "65312a198204181793"
)
zodiac(id)
```

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