Package 'IDCard'

October 12, 2022

Type Package

Title Update Chinese ID Card Number to Eighteen Digits

Version 0.3.0

Author Zhicheng Du, Yuantao Hao

Maintainer Zhicheng Du<dgdzc@hotmail.com>

Description The digits of the old version (before 2000 year) of 'Chinese ID Card Number' is 15, this package aims to update to the current version of 18 digits. Besides, this package can help check whether the given 'ID' is right or not.

License GPL-3

Encoding UTF-8

LazyData true

Imports stringr

NeedsCompilation no

Repository CRAN

Date/Publication 2017-11-23 04:19:06 UTC

R topics documented:

---

code	*Administrative area code*

Description

The administrative area code in China updated to July 2016.

Usage

```
code
```

Format

A data.frame containing 3507 observations of 2 variables.

Source

National Bureau of Statistics of the People's Republic of China.

References

National Bureau of Statistics of the People's Republic of China.

Examples

```
#load the dataset
data(code)
```

---

id.15to18	*Update Chinese ID Card Number to Eighteen Digits*

Description

The digits of the old version (before 2000 year) of 'Chinese ID Card Number' is 15, this package aims to update to the current version of 18 digits.

Usage

```
id.15to18(id.15)
```

Arguments

id.15   vector of numeric or character, the old version of Chinese ID Card Number

Value

id.18   character, the new version of Chinese ID Card Number

Note

Please feel free to contact us, if you have any advice and find any bug!

Reference:

1. State Standard of the People's Republic of China: GB11643-1999 2. International Organization for Standardization: ISO7064:1983.MOD11-2

Update:

version 0.2.0: the input of id.15to18() can be a single element and a vector.

version 0.3.0: is.id() is added.

More advanced performance is coming!

Author(s)

Zhicheng Du<dgdzc@hotmail.com>, Yuantao Hao<haoyt@mail.sysu.edu.cn>

Examples

```
id.15to18(id.15="441900890101221")
id.15to18(id.15=rep("441900890101221",2))
```

---

id.15to18.single	*Update Chinese ID Card Number to Eighteen Digits*

Description

The digits of the old version (before 2000 year) of 'Chinese ID Card Number' is 15, this package aims to update to the current version of 18 digits.

Usage

```
id.15to18.single(id.15)
```

Arguments

id.15   numeric or character, the old version of Chinese ID Card Number

Value

id.18   character, the new version of Chinese ID Card Number

Note

Please feel free to contact us, if you have any advice and find any bug!

Reference:

1. State Standard of the People's Republic of China: GB11643-1999 2. International Organization for Standardization: ISO7064:1983.MOD11-2

Update:

version 0.2.0: the input of id.15to18() can be a single element and a vector.

version 0.3.0: is.id() is added.

More advanced performance is coming!

Author(s)

Zhicheng Du<dgdzc@hotmail.com>, Yuantao Hao<haoyt@mail.sysu.edu.cn>

Examples

```
id.15to18.single(id.15="441900890101221")
```

---

is.id	*Checking the Chinses ID Card Number*

Description

Checking the ID card number including length, area code, birth date, and last 3 number.

Usage

```
is.id(id,code)
```

Arguments

id	vector of Chinese ID Card Number
code	please set as the sample

Value

id	vector of Chinese ID Card Number, the same as the input
length	logic, whether the length of the 'id' is right or not, if 'FALSE', the following will be 'FALSE' either
area	logic, whether the area code of 'id' is right or not, if 'FALSE', the following will be 'FALSE' either
birth	logic, whether the birth date of 'id' is right or not, if 'FALSE', the following will be 'FALSE' either
last3	logic, whether the birth date of 'id' is right or not, if 'FALSE', the following will be 'FALSE' either

Note

Please feel free to contact us, if you have any advice and find any bug!

Reference:

1. State Standard of the People's Republic of China: GB11643-1999 2. International Organization for Standardization: ISO7064:1983.MOD11-2

Update:

version 0.2.0: the input of id.15to18() can be a single element and a vector.

version 0.3.0: is.id() is added.

More advanced performance is coming!

Author(s)

Zhicheng Du<dgdzc@hotmail.com>, Yuantao Hao<haoyt@mail.sysu.edu.cn>

Examples

```
with(code,is.id(c("123456789123456","12345678912345X"),code))
```

Index