Package ‘checkLuhn’

October 12, 2022

Type Package
Title Checks if a Number is Valid Using the Luhn Algorithm
Version 1.1.0
Description Confirms if the number is Luhn compliant.
Can check if credit card, IMEI number or any other Luhn based number is correct.
For more info see: <https://en.wikipedia.org/wiki/Luhn_algorithm>.

URL https://github.com/adamjdeacon/checkLuhn
BugReports https://github.com/adamjdeacon/checkLuhn/issues
Depends R (>= 3.1.2)
Imports utils, dplyr, stringr
License GPL-2
Encoding UTF-8
LazyData true
RoxygenNote 6.1.0
Suggests testthat
NeedsCompilation no
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R topics documented:

  checkLuhn-package .................................................. 2
  bin_ranges .......................................................... 2
  checkLuhn .......................................................... 3
  issuer .............................................................. 3

Index 4
Description

Contains function for confirm if card numbers are valid and getting information about the card scheme and issuer see the repo at https://github.com/adamjdeacon/checkLuhn.

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bin_ranges

Description

A dataset containing the top level BIN ranges for card issuers

Usage

bin_ranges

Format

A data frame with 48 rows:

- **issuer**  The card issuer
- **start**  start of card range
- **end**  end of card range
- **active**  Is card still available
- **length**  Length of PAN

Source

https://www.bincodes.com/bin-list
checkLuhn

Description
Checks number is Luhn compliant

Usage
checkLuhn(number)

Arguments
number The number to be checked

Examples
checkLuhn('4111 1111 1111 1111')

issuer

Description
Attempts to return the issuer and if the scheme is still active.

Usage
issuer(number)

Arguments
number PAN to look up

Value
A dataframe of the issuer and if the scheme is active

Examples
issuer('4111 1111 1111 1111')
Index

* issuers
  bin_ranges, 2

bin_ranges, 2

checkLuhn, 3
checkLuhn-package, 2

issuer, 3