Package ‘detector’

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Title Detect Data Containing Personally Identifiable Information
Version 0.1.0
Description Allows users to quickly and easily detect data containing 
        Personally Identifiable Information (PII) through convenience functions.
URL https://github.com/paulhendricks/detector
BugReports https://github.com/paulhendricks/detector/issues
Depends R (>= 3.1.2)
License MIT + file LICENSE
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Author Paul Hendricks [aut, cre]
Maintainer Paul Hendricks <paul.hendricks.2013@owu.edu>
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R topics documented:

   detect .................................................. 2
detector .................................................. 3
has_email_addresses ..................................... 3
has_national_identification_numbers .................... 3
has_phone_numbers ...................................... 4
is_email_address ....................................... 5
is_national_identification_number ...................... 5
is_phone_number ....................................... 6

Index 7
detect

Detect if a data object contains PII.

Description
Detect if a data object contains PII.

Usage
detect(.x)

## Default S3 method:
detect(.x)

## S3 method for class 'character'
detect(.x)

## S3 method for class 'data.frame'
detect(.x)

Arguments
.x A data object.

Value
A logical value indicating if that data object contains PII.

Methods (by class)
- default: Method for default vectors.
- character: Method for character vectors.
- data.frame: Method for data.frames.

Examples

# atomic vectors
detect(letters)
detect(1:10)
detect(as.Date("2014-01-01"))

# data.frames
detect(mtcars)
detector: Detect Data Containing Personally Identifiable Information

Description

detector: Detect Data Containing Personally Identifiable Information

has_email_addresses

Test if a character vector has any e-mail addresses.

Description

Test if a character vector has any e-mail addresses.

Usage

has_email_addresses(.x)

Arguments

.x A character vector.

Value

A logical value indicating if that string has any e-mail addresses.

Examples

# Examples
has_email_addresses("hello") # FALSE
has_email_addresses("hello@world.edu") # TRUE

has_national_identification_numbers

Test if a character vector has any national identification numbers.

Description

Test if a character vector has any national identification numbers.

Usage

has_national_identification_numbers(.x)
Arguments

.x A character vector.

Value

A logical value indicating if that string has any national identification numbers.

Examples

# Examples
has_national_identification_numbers("hello") # FALSE
has_national_identification_numbers(65884) # FALSE
has_national_identification_numbers("111-33-5555") # TRUE
has_national_identification_numbers(1113335555) # FALSE

has_phone_numbers Test if a character vector has any phone numbers.

Description

Test if a character vector has any phone numbers.

Usage

has_phone_numbers(.x)

Arguments

.x A character vector.

Value

A logical value indicating if that string has any phone numbers.

Examples

# Examples
has_phone_numbers("hello") # FALSE
has_phone_numbers(65884) # FALSE
has_phone_numbers("111-333-5555") # TRUE
has_phone_numbers(1113335555) # TRUE
is_email_address

Test if a string is an e-mail address.

Description

Test if a string is an e-mail address.

Usage

is_email_address(.x)

Arguments

.x            A character vector.

Value

A logical value indicating if that string is an e-mail address.

Examples

# Examples
is_email_address("hello") # FALSE
is_email_address("hello@world.edu") # TRUE

is_national_identification_number

Test if a string is a national identification number.

Description

Strictly works for only US national identification numbers.

Usage

is_national_identification_number(.x)

Arguments

.x            A string or numeric vector.

Value

A logical value indicating if that string is a national identification number.
is_phone_number

Test if a string is a phone number.

Description
Strictly works for only US phone numbers.

Usage
is_phone_number(.x)

Arguments

.x A string or numeric vector.

Value
A logical value indicating if that string is a phone number.

Examples

# Examples
is_phone_number("hello") # FALSE
is_phone_number(65884) # FALSE
is_phone_number("111-33-5555") # TRUE
is_phone_number(1113335555) # TRUE
Index

detect, 2
detector, 3
detector-package (detector), 3

has_email_addresses, 3
has_national_identification_numbers, 3
has_phone_numbers, 4

is_email_address, 5
is_national_identification_number, 5
is_phone_number, 6