Package ‘detector’

August 29, 2016

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
LazyData true
Imports stringr
Suggests testthat, generator
NeedsCompilation no
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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**

**detector: Detect Data Containing Personally Identifiable Information**

**Description**

detector: Detect Data Containing Personally Identifiable Information

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**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**

```r
has_email_addresses(.x)
```

**Arguments**

- `.x` A character vector.

**Value**

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

**Examples**

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

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**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**

```r
has_national_identification_numbers(.x)
```
has_phone_numbers

Arguments

.x  A character vector.

Value

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

Examples

# 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

Examples

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

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

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