

Package ‘detector’

May 8, 2026

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

Author Paul Hendricks [aut, cre]

Maintainer Paul Hendricks <paul.hendricks.2013@owu.edu>

Repository CRAN

Date/Publication 2015-08-28 01:13:37

Contents

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	<i>detector: Detect Data Containing Personally Identifiable Information</i>
----------	---

Description

detector: Detect Data Containing Personally Identifiable Information

has_email_addresses	<i>Test if a character vector has any e-mail addresses.</i>
---------------------	---

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	<i>Test if a character vector has any national identification numbers.</i>
-------------------------------------	--

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
# 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.

Examples

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

is_phone_number	<i>Test if a string is a phone number.</i>
-----------------	--

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("111-333-5555") # 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](#)