

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)

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LazyData true

Imports stringr

Suggests testthat, generator

NeedsCompilation no

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Repository CRAN

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

detector: Detect Data Containing Personally Identifiable Information

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

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

Usage

```
has_email_addresses(.x)
```

Arguments

.x	A character vector.
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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>
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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>
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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
```

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