

# Package ‘detector’

October 13, 2022

**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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**Repository** CRAN

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detect

*Detect if a data object contains PII.*

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### **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)
```

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

detector: Detect Data Containing Personally Identifiable Information

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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.

**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
```

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is\_email\_address      *Test if a string is an e-mail address.*

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**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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