Package 'fillr'

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Title Fill Missing Values in Vectors

Version 1.0.0

Description Edit vectors to fill missing values, based on the vector itself.

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Encoding UTF-8

LazyData true

Suggests testthat, spelling

RoxygenNote 7.0.0

URL https://jelger12.github.io/fillr/

BugReports https://github.com/jelger12/fillr/issues

Language en-US

NeedsCompilation no

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`check_some_missing` *Check if some missing values are present*

Description

Check if some missing values are present, but not all are missing. returns a boolean. This check is done to save time for vectors where filling is not needed

Usage

```
check_some_missing(x)
```

Arguments

`x`	the vector to check

Value

TRUE or FALSE

`fill_missing` *Fill missing*

Description

wrapper function to do check and call all fill_vector functions

Usage

```
fill_missing(x, min_known_n = NULL, min_known_p = NULL, type)
```

Arguments

`x`	The vector to fill
`min_known_n`	numeric value: the minimum number of not-missing values
`min_known_p`	numeric value between 0 and 1: the minimum fraction of not-missing values
`type`	the type of fill missing function to be called

fill_missing_interval *Fill missing interval*

Description

Fill all missing values for an interval observed in the vector

Usage

```
fill_missing_interval(x, min_known_n = NULL, min_known_p = NULL)
```

Arguments

x	The vector to fill
min_known_n	numeric value: the minimum number of not-missing values
min_known_p	numeric value between 0 and 1: the minimum fraction of not-missing values

Value

a filled vector

Examples

```
fill_missing_interval(c(NA, 1, 2, NA))
fill_missing_interval(c(NA, 10, 20, NA))
```

fill_missing_last *Fill missing last*

Description

Fill all missing values in a vector with the last value if it is known.

Usage

```
fill_missing_last(x, min_known_n = NULL, min_known_p = NULL)
```

Arguments

x	The vector to fill
min_known_n	numeric value: the minimum number of not-missing values
min_known_p	numeric value between 0 and 1: the minimum fraction of not-missing values

Value

a filled vector

Examples

```
fill_missing_last(c(1, 2, NA))
fill_missing_last(c(NA, 1, 2, NA))
```

---

fill_missing_max *Fill missing maximum*

Description

Fill all missing values in a vector with the maximum value if it is known.

Usage

```
fill_missing_max(x, min_known_n = NULL, min_known_p = NULL)
```

Arguments

x	The vector to fill
min_known_n	numeric value: the minimum number of not-missing values
min_known_p	numeric value between 0 and 1: the minimum fraction of not-missing values

Value

a filled vector

Examples

```
fill_missing_max(c(1, 2, NA))
fill_missing_max(c(NA, 1, 2, NA))
```

---

fill_missing_min *Fill missing minimum*

Description

Fill all missing values in a vector with the minimum value if it is known.

Usage

```
fill_missing_min(x, min_known_n = NULL, min_known_p = NULL)
```

Arguments

x	The vector to fill
min_known_n	numeric value: the minimum number of not-missing values
min_known_p	numeric value between 0 and 1: the minimum fraction of not-missing values

Value

a filled vector

Examples

```
fill_missing_min(c(1, 2, NA))
fill_missing_min(c(NA, 1, 2, NA))
```

`fill_missing_previous` *Fill missing previous*

Description

Fill all missing values in a vector with the previous value if it is known.

Usage

```
fill_missing_previous(x, min_known_n = NULL, min_known_p = NULL)
```

Arguments

`x`	The vector to fill
`min_known_n`	numeric value: the minimum number of not-missing values
`min_known_p`	numeric value between 0 and 1: the minimum fraction of not-missing values

Value

a filled vector

Examples

```
fill_missing_previous(c(1, 2, NA))
fill_missing_previous(c(NA, 1, 2, NA))
```

fill_missing_strict *Fill missing strict*

Description

Fill all missing values in a vector with the same value if it is known. Only fills the value when all known values are the same

Usage

```
fill_missing_strict(x, min_known_n = NULL, min_known_p = NULL)
```

Arguments

x	The vector to fill
min_known_n	numeric value: the minimum number of not-missing values
min_known_p	numeric value between 0 and 1: the minimum fraction of not-missing values

Value

a filled vector

Examples

```
fill_missing_strict(c(NA, 1))
```

fill_value *fill missing value*

Description

Returns a vector with all missing values filled with another value

Usage

```
fill_value(x, value)
```

Arguments

x	vectors. All inputs should have the same length
value	a value with the same class as x

Value

vector with the same length as the first vector

Examples

```
fill_value(c(NA,1), 2)
```

`fill_vector_interval` *fill_vector_interval*

Description

fill_vector_interval

Usage

```
fill_vector_interval(x)
```

Arguments

x	the vector to be filled

`fill_vector_last` *fill_vector_last*

Description

fill_vector_last

Usage

```
fill_vector_last(x, x_na_omit)
```

Arguments

x	the vector to be filled
x_na_omit	the x vector without NA values

`fill_vector_max` *fill_vector_max*

Description

fill_vector_max

Usage

```
fill_vector_max(x, x_na_omit)
```

Arguments

`x`	the vector to be filled
`x_na_omit`	the x vector without NA values

`fill_vector_min` *fill_vector_min*

Description

fill_vector_min

Usage

```
fill_vector_min(x, x_na_omit)
```

Arguments

`x`	the vector to be filled
`x_na_omit`	the x vector without NA values

`fill_vector_previous` *fill_vector_previous*

Description

fill_vector_previous

Usage

```
fill_vector_previous(x)
```

Arguments

`x`	the vector to be filled

`fill_vector_strict` *fill_vector_strict*

Description

fill_vector_strict

Usage

```
fill_vector_strict(x, x_na_omit)
```

Arguments

`x`	the vector to be filled
`x_na_omit`	the x vector without NA values

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