

# 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.

**License** MIT + file LICENSE

**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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**Repository** CRAN

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check_some_missing	<i>Check if some missing values are present</i>
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### 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
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### Value

TRUE or FALSE

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fill_missing	<i>Fill missing</i>
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### 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	<i>Fill missing maximum</i>
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---

**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	<i>Fill missing minimum</i>
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**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



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`fill_vector_strict`     *fill\_vector\_strict*

---

**Description**

`fill_vector_strict`

**Usage**

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

**Arguments**

<code>x</code>	the vector to be filled
<code>x_na_omit</code>	the x vector without NA values

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