

# Package ‘versionsort’

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**Type** Package

**Title** Sort and Order Version Codes

**Version** 1.1.0

**Date** 2022-03-23

**Description** A lightweight package for sorting version codes in various forms. No strong dependencies guaranteed.

**License** GPL (>= 3)

**Encoding** UTF-8

**RoxygenNote** 7.1.2

**Suggests** covr, spelling, testthat (>= 3.0.0)

**Config/testthat/edition** 3

**Language** en-US

**NeedsCompilation** no

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**Repository** CRAN

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ver_latest	<i>Find the latest version code</i>
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**Description**

ver\_latest() returns the latest of the version codes.

**Usage**

```
ver_latest(x)
```

**Arguments**

x [character\(\)](#)  
A vector of version codes that start with a number (as in "1.5.0"), i.e. without initial "v" (as in "v1.5.0").

**Value**

A character vector with one element.

**See Also**

[ver\\_oldest\(\)](#)

**Examples**

```
ver_latest(c("1.3-0", "1.4-1", "0.0.0.9000", "1.4-0a", "1.4-0"))
```

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ver_oldest	<i>Find the oldest version code</i>
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**Description**

ver\_oldest() returns the oldest of the version codes.

**Usage**

```
ver_oldest(x)
```

**Arguments**

x [character\(\)](#)  
A vector of version codes that start with a number (as in "1.5.0"), i.e. without initial "v" (as in "v1.5.0").

**Value**

A character vector with one element.

**See Also**

[ver\\_latest\(\)](#)

**Examples**

```
ver_oldest(c("1.3-0", "1.4-1", "0.0.0.9000", "1.4-0a", "1.4-0"))
```

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ver\_order

*Order version codes*

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**Description**

`ver_order()` returns the permutation that rearranges a vector of version codes alphanumerically.

**Usage**

```
ver_order(x)
```

**Arguments**

`x` [character\(\)](#)  
A vector of version codes that start with a number (as in "1.5.0"), i.e. without initial "v" (as in "v1.5.0").

**Value**

An integer vector (for details see [order](#)).

**See Also**

[ver\\_sort\(\)](#)

**Examples**

```
version_codes <- c("1.5-0", "1.4-1", "0.0.0.9000", "1.4-0a", "1.4-0")
ver_order(version_codes)
# The line below is the same as ver_sort(version_codes)
version_codes[ver_order(version_codes)]
```

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`ver_sort`*Sort version codes*

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**Description**

`ver_sort()` returns a sorted vector of version codes, where sorting is done alphanumerically.

**Usage**

```
ver_sort(x)
```

**Arguments**

`x` [character\(\)](#)  
A vector of version codes that start with a number (as in "1.5.0"), i.e. without initial "v" (as in "v1.5.0").

**Value**

A character vector containing the same elements as input, but reordered.

**See Also**

[ver\\_order\(\)](#)

**Examples**

```
ver_sort(c("1.5-0", "1.4-1", "0.0.0.9000", "1.4-0a", "1.4-0"))
```

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