# Package 'zipR'

January 20, 2025

**Title** Pythonic Zip() for R

**Version** 0.1.1

**Description** Implements Python-style zip for R. Is a more flexible version of cbind.

**Depends** R (>= 2.1.0)

**License** GPL-3

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 6.0.1.9000

**Suggests** knitr, rmarkdown, devtools

**URL** <https://github.com/leslie-huang/zipR>

**BugReports** <https://github.com/leslie-huang/zipR/issues>

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

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## Contents

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| broadcast | *broadcasts a shorter vector-like object into a vector of equal length as a longer vector-like object* |

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## Description

broadcasts a shorter vector-like object into a vector of equal length as a longer vector-like object

## Usage

```
broadcast(longer, shorter)
```

## Arguments

longer          longer vector-like object

shorter         shorter vector-like object

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| check_length | *This function checks that the vector-like objects x, y are of equal length.* |

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## Description

This function checks that the vector-like objects x, y are of equal length.

## Usage

```
check_length(x, y)
```

## Arguments

x               vector-like object

y               vector-like object

| fill | *Use a given fillvalue to fill in a shorter sequence and returns a sequence of equal length to the longer sequence. Takes a subset of the fill sequence if fill sequence is longer than the difference between the longer and shorter sequences* |
|---|---|

### Description

Use a given fillvalue to fill in a shorter sequence and returns a sequence of equal length to the longer sequence. Takes a subset of the fill sequence if fill sequence is longer than the difference between the longer and shorter sequences

### Usage

```
fill(longer, shorter, fillvalue)
```

### Arguments

| | |
|---|---|
| longer | longer vector-like object |
| shorter | shorter vector-like object |
| fillvalue | sequence of value(s) to fill in shorter vector. If fillvalue is longer than the difference between 'shorter' and 'longer', values from fillvalue will be taken only until 'shorter' is the same length as 'longer' |

| zipr | *zip two vector-like objects into a dataframe* |
|---|---|

### Description

zip two vector-like objects into a dataframe

### Usage

```
zipr(x = x, y = x, broadcast = FALSE, fill = FALSE,
  fillvalue = c(NA))
```

### Arguments

| | |
|---|---|
| x | vector-like object |
| y | vector-like object |
| broadcast | defaults to FALSE; if TRUE, shorter sequence is repeated until its length is equal to that of the longer sequence |
| fill | defaults to FALSE; bool for whether fillvalue should be implemented |
| fillvalue | value or sequence of value(s) to fill in shorter sequence until it is the same length as the longer sequence. Defaults to NA |

**Value**

A dataframe

**Examples**

```
a <- c(1,2,3)
b <- c(4,5,6)
c <- c(1,2,3,4,5,6)
d <- c(7,8)
z <- c(9)
filler <- c(NA)

# zip two vectors of the same length
zipr(a,b)

# zip two vectors of different lengths, repeating the shorter vector
zipr(a, z, broadcast = TRUE)

# zip two vectors of different lengths, using the default fill value
zipr(z, a, fill = TRUE)

# zip two vectors of different lengths, using a custom fill value
zipr(c,a, fill = TRUE, fillvalue = z)
```

# Index