

Package ‘inplace’

June 10, 2018

Version 0.1.0

Date 2018-06-06

Title In-place Operators for R

Description It provides in-place operators for R that are equivalent to '+=', '-=', '*=', '/=' in C++. Those can be applied on integer|double vectors|matrices. You have also access to sweep operations (in-place).

License GPL-3

Language en-US

Encoding UTF-8

LazyData true

ByteCompile true

RoxygenNote 6.0.1

LinkingTo Rcpp

Imports Rcpp

Suggests spelling, data.table, testthat, covr

URL <https://github.com/privefl/inplace>

BugReports <https://github.com/privefl/inplace/issues>

NeedsCompilation yes

Author Florian Privé [aut, cre]

Maintainer Florian Privé <florian.prive.21@gmail.com>

Repository CRAN

Date/Publication 2018-06-10 15:13:01 UTC

R topics documented:

inplace-op	2
inplace-sweep	2

Index	4
--------------	----------

inplace-op

In-place operators

Description

In-place operators

Usage`x %*<-% value``x %+<-% value``x %-<-% value``x %/<-% value`**Arguments**

<code>x</code>	Variable.
<code>value</code>	Value.

Value

NULL (invisibly).

Examples

```
mat <- matrix(1:4, 2)
mat
mat %+<-% 2
mat
```

inplace-sweep

Sweep

Description

Sweep

Usage`sweep1_in_place(x, STATS, FUN = c("-", "+", "*", "/"))``sweep2_in_place(x, STATS, FUN = c("-", "+", "*", "/"))`

Arguments

x a matrix.
STATS the summary statistic which is to be swept out.
FUN the function to be used to carry out the sweep.

Value

NULL, invisibly.

Examples

```
x <- matrix(1:6, 2)
sweep(x, 2, 1:3)
x
sweep2_in_place(x, 1:3)
x
```

Index

`%*%-%` (inplace-op), [2](#)
`%+%-%` (inplace-op), [2](#)
`%-%-%` (inplace-op), [2](#)
`%/<-%` (inplace-op), [2](#)

`inplace-op`, [2](#)
`inplace-sweep`, [2](#)

`sweep1_in_place` (inplace-sweep), [2](#)
`sweep2_in_place` (inplace-sweep), [2](#)