Package 'dotdot'

March 29, 2019

Type Package

Title Enhanced Assignment Operator to Overwrite or Grow Objects

Version 0.1.0

Author Antoine Fabri

Maintainer Antoine Fabri <antoine.fabri@gmail.com>

Description Use '..' on the right hand side of the ':=' operator as a shorthand for the
left hand side, so that 'var := f(..) + ..' is equivalent to
'var <- f(var) + var'. This permits the user to be explicit about growing an
object or overwriting it using its previous value, avoids repeating a
variable name, and saves keystrokes, time, visual space and cognitive load.

License GPL-3

Encoding UTF-8

LazyData true

RoxygenNote 6.1.1

VignetteBuilder knitr

Suggests knitr, rmarkdown, htmltools

NeedsCompilation no

Repository CRAN

Date/Publication 2019-03-29 15:50:02 UTC

R topics documented:

:=   *Enhanced assignment to overwrite or grow objects*

Description

Use `..` on the right hand side as a shorthand for the left hand side

Usage

```
":="(e1, e2)
```

Arguments

e1   left hand side

e2   right handside

Details

`:=` is **NOT** meant to be a complete replacement of the '`<-`' operator, it's meant to be explicit about growing an object or overwriting it using its previous value, avoid repeating a variable name, and saving keystrokes.

It is slightly slower than the standard assignment operator (though we're speaking microseconds). This should not distract the user from the fact that growing an object is often inefficient, especially in a loop.

`:=` can in principle be used several times in a statement like `z <- (x := .. + 1) + (y:= .. +1)` but it never makes sense to use it `:=` several times in an assignment such as `x := (y := .. + 2)` as all the `..` will be replaced by the name of the variable on the lhs of the first evaluated `:=` in any case.

Examples

```
x <- 1
x := .. + 1
x

x <- factor(letters[1:3])
levels(x) := c(.., "level4")
x
```

---

dotdot_first	*Make sure ':=' is unmasked*

Description

This is not necessary to call this function after attaching *rlang*/*tidyverse* or *data.table*

Usage

```
dotdot_first()
```

Index