

Package ‘pipebind’

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Type Package

Title Flexible Binding for Complex Function Evaluation with the Base R
|> Pipe

Version 0.1.1

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Description Provides a simple function to bind a piped object to a placeholder
symbol to enable complex function evaluation with the base R |> pipe.

License GPL-3

Encoding UTF-8

Language en-US

URL <https://github.com/bwiernik/pipebind/>

BugReports <https://github.com/bwiernik/pipebind/issues>

RoxygenNote 7.2.0

NeedsCompilation no

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Repository CRAN

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 bind

Bind a (piped) object to a symbol for complex function evaluation

Description

The [base R |> pipe](#) lacks some advanced functionality compared to the `{magrittr}%>% pipe`. For example, the piped object can only appear once on the right-hand side of the pipe (either as the first unnamed argument or elsewhere using the `_` placeholder in R 4.2.0 and later), and the `_` placeholder cannot appear on the left side of sub-setting functions like `$`, `[`, `[[`, or `@`.

The `bind()` function is a way to conveniently circumvent these limitations. Pipe an object into `bind()`, choose a placeholder symbol to represent it, then use this placeholder to refer the piped object in any way and as many times as desired in an R expression.

The Greek letter $\lambda()$ is available as an alias for `bind()`.

Usage

```
bind(.pipeValue, .pipeBind, ...)
```

Arguments

<code>.pipeValue</code>	The object to bind. Typically specified by piping into the <code>bind()</code> function (e.g., <code>x > bind()</code>).
<code>.pipeBind</code>	The placeholder symbol to use to represent the piped object. Can be any valid R object name.
<code>...</code>	An R expression. Any valid R code (expression).

Value

The results of the expression, evaluated using the piped object.

Examples

```
if (getRversion() >= 4.1) {

  # Piping to a non-first argument
  mtcars |>
    transform(kmL = mpg / 2.35) |>
    bind(d, lm(kmL ~ hp, data = d))

  # Using the piped value multiple times
  rnorm(10, mean = 10) |>
    bind(x, x - mean(x))

  # Using the piped value in multiple arguments
  c(a = 1, b = 2, c = 3) |>
    bind(x, paste(names(x), x, sep = " = "))
}
```

```
# Subsetting the piped value  
mtcars |>  
  bind(d, d$mpg)  
}
```

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