Package 'partialised'

November 4, 2022

Type Package

Title Partialised Functions

Version 0.1.1

Description Provides a 'partialised' class that extends the partialising
function of 'purrr' by making it easier to change the arguments. This is
similar to the function-like object in 'Julia'
(<<https://docs.julialang.org/en/v1/manual/methods/#Function-like-objects>>).

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Encoding UTF-8

Imports pillar, purrr, rlang, vctrs

RoxygenNote 7.2.1

URL <https://github.com/UchidaMizuki/partialised>

BugReports <https://github.com/UchidaMizuki/partialised/issues>

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

NeedsCompilation no

Author Mizuki Uchida [aut, cre]

Maintainer Mizuki Uchida <uchidamizuki@vivaldi.net>

Repository CRAN

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arguments   *Argument lists for partialised functions*

Description

Argument lists for partialised functions

Usage

```
arguments(x)

arguments(x) <- value
```

Arguments

x	Partialised function.
value	A list of arguments.

Value

`arguments()` returns a list of arguments.

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extract   *Extract or replace arguments for partialised functions*

Description

Extract or replace arguments for partialised functions

Usage

```
## S3 method for class 'partialised'
x[i, ...]

## S3 replacement method for class 'partialised'
x[i] <- value

## S3 method for class 'partialised'
x[[i, ...]]

## S3 replacement method for class 'partialised'
x[[i]] <- value

## S3 method for class 'partialised'
x$i
```

```
## S3 replacement method for class 'partialised'
x$i <- value
```

Arguments

x	Partialised function.
i	Indices specifying arguments to extract or replace.
...	Additional arguments.
value	An object, the new value of the argument.

Value

`[`, `[[` and `$` return arguments.

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new_partialised   *Create partialised functions*

Description

Create partialised functions

Usage

```
new_partialised(f, args = list(), ..., class = character())
```

Arguments

f	A function.
args	A list of default arguments.
...	Additional arguments for attributes.
class	Name of subclass.

Value

A `partialised` function.

See Also

purrr::partial()

Examples

```
dist <- function(x, y) {
  sqrt(x ^ 2 + y ^ 2)
}
pdist <- new_partialised(dist,
                          list(x = 3))
pdist(y = 4)
```

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