

Package ‘adverbial’

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Type Package

Title Enhanced Adverbial Functions

Version 0.2.0

Description Provides new_partialised() and new_composed(), which extend partial() and compose() functions of 'purrr' to make it easier to extract and replace arguments and functions. It also has additional adverbial functions.

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Encoding UTF-8

Imports cli, pillar, purrr, rlang, vctrs

RoxygenNote 7.3.2

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

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

Suggests lifecycle, testthat (>= 3.0.0)

Config/testthat/edition 3

NeedsCompilation no

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Repository CRAN

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as_step	<i>Wrap a function to be used as a step</i>
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Description**[Experimental]****Usage**

```
as_step(f, name = NULL)
```

Arguments

f	A function to be wrapped.
name	The name of the step. If NULL, the step does not proceed but the function is applied.

Details

as_step() wraps a function to be used as a step in a step-by-step process.

Value

A function that takes a step-by-step object and additional arguments, and returns the updated step-by-step object.

end_step	<i>End a step-by-step process</i>
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Description**[Experimental]****Usage**

```
end_step(object)
```

Arguments

object	The object to end the step-by-step process for.
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Details

end_step() ends the step-by-step process and removes the step-by-step attributes from the object.

Value

The object with the step-by-step attributes removed.

new_composed	<i>Create composed functions</i>
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Description

Create composed functions

Usage

```
new_composed(fns, dir = NULL, ..., class = character())
```

Arguments

fns	A list of functions to compose.
dir	Direction of composition, either "forward" or "backward". By default, the functions are composed in the forward direction. Passed to purrr::compose() .
...	Additional arguments for attributes.
class	Name of subclass.

Value

A composed function that inherits from `adverbial_function_compose`.

See Also

[purrr::compose\(\)](#)

Examples

```
square <- function(x) x ^ 2
cdist <- new_composed(list(square = square, sum = sum, sqrt = sqrt))
cdist(1:10)

cdist$sum <- new_partialised(sum, list(na.rm = TRUE))
cdist(c(1:10, NA))
```

new_partialised	Create partialised functions
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Description

Create partialised functions

Usage

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

Arguments

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

Value

A `adverbial_function_partial` 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)
```

step_by_step	Create a step-by-step object
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Description

[Experimental]

Usage

```
step_by_step(steps)
```

Arguments

steps	A named vector of steps to be completed. The names of the vector are the names of the steps, and the values are the descriptions of the steps.
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Details

`step_by_step()` creates a step-by-step object that can be used to track the progress of a process. It is useful for long-running processes where you want to keep track of the steps that have been completed and the steps that are still to be done.

Value

A function that takes an object and returns a step-by-step object.

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