

# Package: adverbial (via r-universe)

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**Type** Package

**Title** Enhanced Adverbial Functions

**Version** 0.2.1

**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.

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**Imports** cli, pillar, purrr, rlang, vctrs

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.3

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

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

**Suggests** lifecycle, testthat (>= 3.0.0)

**Config/testthat/edition** 3

**Repository** <https://uchidamizuki.r-universe.dev>

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**RemoteUrl** <https://github.com/uchidamizuki/adverbial>

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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.

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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.

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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 <a href="#">purrr::compose()</a> .
...	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))
```

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new_partialised	<i>Create partialised functions</i>
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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)
```

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step_by_step	<i>Create a step-by-step object</i>
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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.

**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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