Package 'arpr'

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Type Package

Title Advanced R Pipes

Version 0.1.2

Description Provides convenience functions for programming with 'magrittr' pipes. Conditional pipes, a string prefixer and a function to pipe the given object into a specific argument given by character name are currently supported. It is named after the dadaist Hans Arp, a friend of Rene Magritte.

License GPL (>= 3)

URL https://github.com/statnmap/arpr

BugReports https://github.com/statnmap/arpr/issues

Imports magrittr, rlang

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Encoding UTF-8

RoxygenNote 7.1.1

NeedsCompilation no

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Repository CRAN

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R topics documented:

`browse_r` *browser() in a magrittr pipe*

Description

browser() in a magrittr pipe

Usage

```
browse_r(x, ...)
```

Arguments

`x`	input
`...`	passed on to browser()

Value

Used for side effect. Open a browser inside the pipe workflow.

`const` *Create a constant function*

Description

Create a constant function

Usage

```
const(val = NULL)
```

Arguments

`val`	return value of constant function (defaults to NULL)

Value

A function always returning `val` accepting arbitrary arguments (dots)

`iff` *Apply a function depending on test output*

Description

`iff` returns output of the function if and only if test is `TRUE`. `iffn` returns output of the function if and only if test is `FALSE`. They return the original value otherwise. `iffelse` returns output of the first function if test is `TRUE`, output of the second function otherwise.

Usage

```
iff(obj, test, fun, ...)

iffn(obj, test, fun, ...)

iffelse(obj, test, true_fun, false_fun, ...)
```

Arguments

`obj`	object to apply test and fun to
`test`	logical or function to apply to test
`fun`	function to apply
`...`	passed on to test
`true_fun`	function to apply when test is true
`false_fun`	function to apply when test is false

Value

Output of function `fun` applied to the original value or the original value, depending on the test.

Examples

```
x <- 1
x %>%
  iff(is.na, const(0))
x <- NA
x %>%
  iff(is.na, const(0))

x <- 1
x %>%
  iff(x <= 0, function(x) { x - 2 })
x <- -1
x %>%
  iff(x <= 0, function(x) { x - 2 })

x <- NA
```

```
x %>%
  iffn(is.na, exp)
x <- 10
x %>%
  iffn(is.na, exp)
```

`pipe_into` *Pipe into specific formal argument*

Description

This rotates the order of the arguments such that the one named in `param_name` comes first and then calls the function.

Usage

```
pipe_into(x, param_name, fun, ...)
```

Arguments

`x`	value to be piped into fun
`param_name`	name of the argument that x should be assigned to
`fun`	function
`...`	further arguments for fun

Value

Output of `fun`.

Examples

```
require(magrittr)
5L %>%
  pipe_into("digits", format, 2.731234567)
```

prefix *Prefix a string of text*

Description

Convenience function to use with magrittr wraps `paste0()`, hence vectorised as `paste0()`

Usage

```
prefix(text, ...)
```

Arguments

`text`	goes to the end, rest
`...`	goes to the front.

Value

Character. Character chain with the prefix added.

Examples

```
require(magrittr)
"xyz" %>%
  prefix("abc")
```

prefix_path *Prefix a path*

Description

file.path with arguments reversed

Usage

```
prefix_path(path, prefix, ...)
```

Arguments

`path`	path to be prefixed
`prefix`	path to be appended before
`...`	passed on to file.path

Value

`file.path(prefix, path, ...)`

`remove_names` *Remove names of an object*

Description

Remove names of an object

Usage

```
remove_names(x)
```

Arguments

`x`	object to unname

Value

x without names.

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