

Package ‘arpr’

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Type Package

Title Advanced R Pipes

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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.

Imports magrittr

License GPL (>= 3)

Encoding UTF-8

LazyData true

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arpr *Advanced R pipes*

Description

arpr R package

Details

Advanced R pipes

Package: arpr
Type: Package
License: GPL (>= 3)
LazyLoad: yes

Author(s)

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References

<http://blog.points-of-interest.cc/>

browse_r *browser() in a magrittr pipe*

Description

browser() in a magrittr pipe

Usage

browse_r(x, ...)

Arguments

x input
... passed on to browser()

const	<i>Create a constant function</i>
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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	<i>Apply a function if and only if test is TRUE</i>
-----	---

Description

otherwise return input value unchanged

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

Details

iffn is ... if and only if test is FALSE

Examples

```
require(magrittr)
x <- sample(c(1,2,NA), 1)
x <- x %>%
  iff(is.na, const(0))
y <- x %>%
  iff(x <= 0, function(x) { x - 2 })

x <- sample(c(1,2,NA), 1)
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

Examples

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

prefix	<i>Prefix a string of text</i>
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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.

Examples

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

prefix_path	<i>Prefix a path</i>
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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	<i>Remove names of an object</i>
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Description

Remove names of an object

Usage

```
remove_names(x)
```

Arguments

x object to un-name

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