

Package: zutils (via r-universe)

September 17, 2026

Title Zhang Liang's miscellaneous utilities

Version 0.0.10

Description This package mainly contains some miscellaneous utilities that I use frequently.

License MIT + file LICENSE

URL <https://psychelzh.github.io/zutils/>

Imports dplyr, rlang, stringr, tidyr, tidyselect, utils

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.1

Config/pak/sysreqs libicu-dev

Repository <https://psychelzh.r-universe.dev>

Date/Publication 2024-02-25 00:59:27 UTC

RemoteUrl <https://github.com/psychelzh/zutils>

RemoteRef HEAD

RemoteSha 436966e7b43eeb9ef0f58c37c7e05d73832ee06d

Contents

call_full	2
cautiously	2
select_list	3
separate_wider_dsv	3

Index	5
--------------	----------

call_full	Create a call to a function with its arguments
-----------	--

Description

This is basically a wrapper around `rlang::call2()` that allows you to extract the arguments from a function and pass them to `rlang::call2()` without having to type them out.

Usage

```
call_full(.fn, ...)
```

Arguments

.fn	The function to call.
...	Arguments to pass to the function.

Value

A call to the function with its arguments.

cautiously	Cautiously evaluate an expression
------------	-----------------------------------

Description

This function is useful for when you want to evaluate an expression, but you want to catch any errors and return a default value instead. Note the error message will be printed as a warning as the name of the function suggests.

Usage

```
cautiously(.f, otherwise = NULL)
```

Arguments

.f	A function to modify. See <code>as_function()</code> for details.
otherwise	A value to return if the expression throws an error.

Value

A function that evaluates the expression and returns the result or the default value if an error is thrown.

select_list	<i>Tidy select for list</i>
-------------	-----------------------------

Description

A tidy select interface for lists. See `tidyselect::eval_select()` for details.

Usage

```
select_list(.l, ...)
```

Arguments

<code>.l</code>	A <code>list()</code> object.
<code>...</code>	One or more unquoted expressions separated by commas.

Value

A list with the selected elements.

separate_wider_dsv	<i>Separate a column into multiple columns</i>
--------------------	--

Description

This is a wrapper around `tidyr::separate_wider_regex()` that allows to split a column into multiple columns. The column contains so-called delimiter separated values (DSV) and the values are extracted using regular expressions.

Usage

```
separate_wider_dsv(  
  data,  
  col,  
  names,  
  ...,  
  patterns = NULL,  
  delim = "_",  
  prefix = NULL,  
  suffix = NULL  
)
```

Arguments

data	A data frame.
col	<tidy-select> Column to separate.
names	Names of the new columns. Use NA if you want a component not to be in the output.
...	Additional arguments passed to <code>tidyr::separate_wider_regex()</code> .
patterns	Regular expressions to extract the values from the column. If NULL, the pattern will match any character non-greedily. The length of the vector must be equal to the number of new columns.
delim	Delimiter used in the column to separate different pieces of values.
prefix, suffix	Prefix and suffix to be removed from the target column to retrieve the values.

Value

A data frame with the separated columns.

Index

`as_function()`, [2](#)

`call_full`, [2](#)

`cautiously`, [2](#)

`list()`, [3](#)

`rlang::call2()`, [2](#)

`select_list`, [3](#)

`separate_wider_dsv`, [3](#)

`tidyr::separate_wider_regex()`, [3](#), [4](#)

`tidyselect::eval_select()`, [3](#)