# Package 'MiscUtils'

March 23, 2018

**Title** MiscUtils

**Version** 0.1.3

**Description**

A Library for Building Packages. See my website <https://sites.google.com/a/g.clemson.edu/ja-resources>. or github <https://github.com/Jadamso>.

**Depends** R (>= 3.4.1)

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**Published** 2018-03-23

**Date** 2018-03-23

**URL** <https://sites.google.com/a/g.clemson.edu/ja-resources>

**RoxygenNote** 6.0.1

**Imports** devtools,
roxygen2,
parallel,
doMC,
foreach

# R topics documented:

---

all_info                          *Print any system information needed for replication*

---

### Description

Print any system information needed for replication

### Usage

```
all_info()
```

---

censor                            *Censoring*

---

### Description

Censoring

### Usage

```
censor(x, a = 0)
```

### Arguments

| | |
|---|---|
| x | a numeric vector or matrix |
| a | censor value |

---

dir.create.safe                   *Create A New Directory*

---

### Description

Create A New Directory

### Usage

```
dir.create.safe(DIR)
```

### Arguments

| | |
|---|---|
| DIR | a directory |

### Value

nothing

### Examples

```
dir.create.safe( "/tmp/Trial" )
```

---

fill_above                    *Trim Whitespace from a String*

---

### Description

Trim Whitespace from a String

### Usage

```
fill_above(x, blank = is.na)
```

### Arguments

x               a vector

blank           the blank value to be replaced by the row above

### Value

a vector

### Examples

```
fill_above( c("A", "C", "", "B") , blank="")
```

---

is.even                       *Indicating Even or Odd*

---

### Description

Indicating Even or Odd

### Usage

```
is.even(x)

even(x)

is.odd(x)

odd(x)
```

### Arguments

x

### Value

which elements are even

## list_nas *Which list elements are NA*

### Description

Which list elements are NA

### Usage

```
list_nas(LIST)
```

### Arguments

LIST          list

### Value

vector indicating which elements are not na

## mc_setup *Parallel Setup*

### Description

Parallel Setup

### Usage

```
mc_setup(cores = NA)
```

### Arguments

cores          number of cores to use

### Value

cores

| package.setup.safe | *Create A New R Package* |
|---|---|

### Description

Create A New R Package

### Usage

```
package.setup.safe(DIR, my_description = getOption("devtools.desc"),
  rstudio = FALSE, check = FALSE, rm = FALSE)
```

### Arguments

DIR               a directory

### Value

nothing

### Examples

```
dir.create.safe( "/tmp/Trial" )
```

| pack_up | *Upload Package* |
|---|---|

### Description

Upload Package

### Usage

```
pack_up(pdir)
```

### Arguments

pdir             a directory

### Value

Nothing

---

range0                          *Returns Floor and Ceilings*

---

### Description

Returns Floor and Ceilings

### Usage

```
range0(x, e = 1)

floor0(x, e = 1)

ceiling0(x, e = 1)

seq0(x, e = 1, ...)
```

### Arguments

| | |
|---|---|
| x | a numeric vector |
| e | decimal place to round to |

### See Also

range0 ceiling00

range0 ceiling00

---

 rmall                          *remove all objects*

---

### Description

remove all objects

### Usage

```
rmall(ENVIR = globalenv(), LIST = ls(envir = ENVIR), EXCEPT = NULL)
```

### Arguments

| | |
|---|---|
| ENVIR | environmnet to remove from |
| LIST | strings to remove |
| EXCEPT | vector of strings for any exceptions to keep |

### Value

nothing

---

round00 *Returns Floor and Ceilings*

---

**Description**

Returns Floor and Ceilings

**Usage**

```
round00(x, e = 0.25, ...)

ceiling00(x, e = 0.25)

floor00(x, e = 0.25)
```

**Arguments**

x           a numeric vector
e           decimal rounding (.25) means nearest quarters

**See Also**

round00 ceiling0
round00 floor0

---

trim *Trim Whitespace from a String*

---

**Description**

Trim Whitespace from a String

**Usage**

```
trim(x, strip = "all")
```

**Arguments**

x           A character string
strip       the whitespace to be removed: trailing, leading, or both

**Value**

A character string

**Examples**

```
trim( " AA   ")
```

---

trim.all                          *returns string without leading or trailing whitespace*

---

### Description

returns string without leading or trailing whitespace

### Usage

```
trim.all(x)
```

### Arguments

x                    A character string

---

trim.leading                      *returns string without leading whitespace*

---

### Description

returns string without leading whitespace

### Usage

```
trim.leading(x)
```

### Arguments

x                    A character string

---

trim.trailing                     *returns string without trailing whitespace*

---

### Description

returns string without trailing whitespace

### Usage

```
trim.trailing(x)
```

### Arguments

x                    A character string

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