Package 'conveniencefunctions2'

October 11, 2021

Type Package

Title Convenience functions for R for QBS181, the second iteration.

Version 0.1.0

Author Joshua Levy

Description We provide general utilities for common tasks in the R programming language.

License MIT

Depends R (>= 3.5.0)

Encoding UTF-8

LazyData true

Imports stats,
ggplot2

RoxygenNote 7.1.0

R topics documented:

`completeFun` *Drop NAs by Columns*

Description

Remove NAs based on specified columns in the data

Usage

```
completeFun(data, desiredCols)
```

Arguments

data	data.frame object of observations
desiredCols	list of columns from which to drop incomplete cases by

Value

Data frame with removed observations

Examples

```
data <- data.frame(a=1:4,b=c("a","b","c","d"),c=c(NA,"keep",NA,"keep"))
completeFun(data, c("c"))
```

---

factorial *Factorial*

Description

Function that calculates factorial of integer Note: this function is recursive!

Usage

```
factorial(x)
```

Arguments

x	Integer

Value

Factorial integer

Examples

```
x <- 13
factorial(x)
```

gm_mean *Geometric mean*

Description

Function to calculate geometric mean

Usage

```
gm_mean(x, na.rm = TRUE)
```

Arguments

x	numeric vector
na.rm	bool, should vector be removed?

Value

float

Examples

```
x <- c(1.4,1.6,NA,5.2,6.5,6.5)
gm_mean(x,na.rm=T)
```

Modes *Mode*

Description

Function to calculate the mode of a variable

Usage

```
Modes(x)
```

Arguments

x	numeric vector

Value

Numeric vector of modes

Examples

```
x <- c(1,1,3,5,6,6)
Modes(x)
```

nonUnique *Non-Unique*

Description

Function that returns a list of non-unique values from a supplied list

Usage

```
nonUnique(x)
```

Arguments

x	vector/list

Value

vector/list

Examples

```
x <- c(1,1,3,5,6,6)
nonUnique(x)
```

Index