Package 'ConvenienceFunctions'

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Type Package

Title Convenience functions for R for QBS181.

Version 0.1.0

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

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Depends R (>= 3.5.0)

Encoding UTF-8

LazyData true

Imports stats,
ggplot2

RoxygenNote 7.1.2

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 variations
`desiredCols`	list of columns from which incomplete cases should be dropped

Value

dataframe 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 to calculate the factorial of a variable

Usage

```
factorial(x)
```

Arguments

x	numeric vector

Value

numeric value of factorial

Examples

```
factorial(5)
```

`gm_mean` *Geometric mean*

Description

Function to calculate the geometric mean of a variable

Usage

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

Arguments

x	numeric vector

Value

numeric value of geometric mean

Examples

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

`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 all non-unique values in a vector

Usage

```
nonUnique(x)
```

Arguments

`x`	numeric or character vector

Value

numeric or character vector of non-unique values

Examples

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