Package 'ExamplePackage'

November 29, 2018

Type Package

Title Creating Our First Package

Version 0.1.0

Author Riley Mummah

Maintainer Riley Mummah <rom5173@ucla.edu>

Description We are building an R package that includes the functions we created in Homework 2 and 3.

License UCLA

Encoding UTF-8

LazyData true

Imports dplyr, ggplot2

RoxygenNote 6.1.1

R topics documented:

`logtransformed` *Log-Transform a Numeric Vector*

Description

This is an unnecessary function I created for the purposes of instruction

Usage

```
logtransformed(NumericVector = NULL)
```

Arguments

`NumericVector`	A numeric vector you would like to log-transform

Details

This function is pretty self explanatory

Value

A list of two objects:

`InputVector`	Input numeric vector
`logTransformVec`	Input numeric vector log-transformed

Examples

```
saveout<-logtransformed(NumericVector = c(5.21, 2.03, 1.49, 13.28,
                                          474.10, 21.81, 3.19, 1.53))
saveout$InputVector
saveout$logTransformVec
```

`proportionofrolls` *Proportion of Rolls*

Description

A function that simulates rolling a pair of fair dice. The goal of the function is to empirically calculate the proportion of times the sum of the dice take on certain numbers, given a specified number of rolls.

Usage

```
proportionofrolls(Rolls = 100, DiceSum = c(3, 10, 11))
```

Arguments

`Rolls`	The number of times you roll the pair of dice
`DiceSum`	A numeric vector, these are possible values for the sum of the dice. Elements of the vector can take any integer value between 2 and 12. The function will calculate the proportion of rolls for which the sum of the dice equals one of the specified integers.

Details

The output should be the proportion of times the sum of the dice take on any of the values specified in your numeric vector input among the simulated rolls.

Value

a numeric value

Index