

Package: complexity (via r-universe)

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Type Package

Title Calculate the Proportion of Permutations in Line with an Informative Hypothesis

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Description Allows for the easy computation of complexity: the proportion of the parameter space in line with the hypothesis by chance. The package comes with a Shiny application in which the calculations can be conducted as well.

License GPL (>= 2)

Depends combinat, shiny

Suggests knitr, rmarkdown

VignetteBuilder knitr

NeedsCompilation no

Repository CRAN

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 complexity

Complexity

Description

Calculates the complexity for the hypothesis of interest.

Usage

```
complexity(npar, ...)
```

Arguments

| | |
|------|--|
| npar | a value indicating the number of parameters |
| ... | an unlimited amount of pairs of parameter indicators that represent constraints, where the first parameter indicator is constrained to be lower than the second parameter indicator. |

Value

A print of the following:

true permutations

a print of the permutations in line with the constraints

total number of permutations

the total number of permutations

number true the number of true permutations

complexity (proportion)

the complexity, that is: the proportion of true permutations

Examples

```
complexity(4, 1, 2, 2, 3, 3, 4)
```

 runShiny

function to launch Shiny application for complexity function

Description

Launches a Shiny application for the complexity function.

Usage

```
runShiny()
```

Value

A print of the following:

true permutations

a print of the permutations in line with the constraints

total number of permutations

the total number of permutations

number true the number of true permutations

complexity (proportion)

the complexity, that is: the proportion of true permutations

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