Package 'ccss'

October 12, 2022

Type Package

Title Cluster Circular Systematic Sampling

Version 1.0

Date 2019-10-23

Author Abhibhav Sharma

Maintainer Abhibhav Sharma <mail.abhibhav@gmail.com>

Description Draws systematic samples from a population that follows linear trend. The function returns a matrix comprising of the required samples as its column vectors. The samples produced are highly efficient and the inter sampling variance is minimum. The scheme will be useful in various field like Bioinformatics where the samples are expensive and must be precise in reflecting the population by possessing least sampling variance.

License GPL-2 | GPL-3

Depends graphics, grDevices, stats, utils, R(>= 2.10)

NeedsCompilation no

Repository CRAN

Date/Publication 2019-11-04 15:40:02 UTC

R topics documented:

ccss	*Cluster Circular Systematic Sampling*

Description

Draws Systematic samples from a population that follows linear trend. The function returns a matrix comprising of the required samples as its column vectors. The samples produced are highly efficient and the inter sampling variance is minimum. The scheme will be useful in various field like Bioinformatics where the samples are expensive and must be precise in reflecting the population by possessing least sampling variance.

Usage

```
ccss(x, size, number)
```

Arguments

x	Population vector
size	Size of the required sample
number	Number of samples required

Value

The scheme arrange the population in a matrix of dimension and samples the column in a circular systematical fasion. The function returns a matrix having column as the required sample. The number of column is the number of sample required.

Author(s)

Abhibhav Sharma

Examples

```
ccss(6:60, 7, 10)
```

Index