Package ‘ccss’

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Type Package
Title Cluster Circular Systematic Sampling
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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.

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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 fashion. 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)
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