Package ‘MPBoost’

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Type Package
Title Treatment Allocation in Clinical Trials by the Maximal Procedure
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Description Performs treatment allocation in two-arm clinical trials by the maximal procedure described by Berger et al. (2003) <doi:10.1002/sim.1538>. To that end, the algorithm provided by Salama et al. (2008) <doi:10.1002/sim.3014> is implemented.
License GPL (>= 2)
Imports Rcpp (>= 1.0.1)
LinkingTo Rcpp, BH
Depends R (>= 3.6.0)
Suggests knitr, pinp, rmarkdown
VignetteBuilder knitr
NeedsCompilation yes
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Author(s)

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References


Usage

```r
mpboost(N1, N2, MTI = 2L)
```
Arguments

N1  An integer specifying the size of the sample assigned to treatment 1.
N2  An integer specifying the size of the sample assigned to treatment 2.
MTI An integer specifying the maximum tolerated imbalance (MTI). The default is 2.

Value

A vector of N1 1’s and N2 2’s representing the allocation sequence.

Note

See the package’s vignette for more details and further examples of the use of the function.

References


Examples

```r
#\donttest{
mpboost(N1 = 25, N2 = 25, MTI = 3)
#}
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