Package 'DyAlloc'

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Type Pack	rage
Title Dyna	amic Allocation
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ters t	n Provides imbalance scores for each possible treatment group as a new subject enthe study given the profiles of previous subjects. The treatment allocation probabilor each group is calculated and a final group allocation is returned.
License M	MIT + file LICENSE
Encoding	UTF-8
LazyData	true
RoxygenN	Tote 7.1.2
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URL http	os://github.com/ktmiu/DyAlloc
BugRepor	ts https://github.com/ktmiu/DyAlloc/issues
R topic	es documented:
M Ti	OyAlloc MarImb rt_Prob VeiImb

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DyAlloc

provides the final treatment group assignment

Description

provides the final treatment group assignment

Usage

```
DyAlloc(df, N, covars, weight, newsub, site = FALSE)
```

Arguments

df data frame

N numeric variable

covars a vector
weight a vector
newsub a vector

site a boolean value

MarImb

Creates a marginal imbalance score for each treatment arm of N treatment groups

Description

Creates a marginal imbalance score for each treatment arm of N treatment groups

Usage

```
MarImb(df, N)
```

Arguments

df data frame

N numeric variable

Trt_Prob

Trt_Prob	Creates a vector of probabilities of being assigned to each treatment group

Description

Creates a vector of probabilities of being assigned to each treatment group

Usage

```
Trt_Prob(imbalances, alpha)
```

Arguments

imbalances a vector

alpha a numeric number

WeiImb Creates a weighted imbalance score for each treatment arm

Description

Creates a weighted imbalance score for each treatment arm

Usage

```
WeiImb(df, N, covars, weight, newsub, site = FALSE)
```

Arguments

df	data frame
N	numeric variable
covars	a vector
weight	a vector
newsub	a vector

site a boolean value