Package 'NCC'

January 13, 2022

Title What the Package Does (One Line, Title Case)

Version 0.0.0.9000

Description What the package does (one paragraph).

License use_mit_license()

Encoding UTF-8

LazyData false

Imports rlang

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.2

R topics documented:

`data_sim` *Data simulation for a platform trial with non-concurrent controls with an arbitrary number of treatments and periods*

Usage

```
data_sim(
  SS_matrix,
  block_sizes,
  alloc_ratios,
  mu0 = 0,
  delta,
  p0,
  OR,
  lambda,
  sigma,
```

```
  N_peak,
  trend,
  trend_param,
  endpoint
)
```

Arguments

SS_matrix	a
block_sizes	a
alloc_ratios	a
mu0	a
delta	a
p0	a
OR	a
lambda	a
sigma	a
N_peak	a
trend	a
trend_param	a
endpoint	a

---

linear_trend *Generation of a linear trend*

Usage

```
linear_trend(j, lambda, sample_size)
```

Arguments

j	a
lambda	a
sample_size	a

---

linear_trend2 *Generation of a linear trend that starts in the second period*

Usage

```
linear_trend2(j, lambda, sample_size)
```

Arguments

j	a
lambda	a
sample_size	vector of dimension 2, indicating sample size in the first period and the remaining sample size

sw_trend *Generation of stepwise trend with equal jumps between periods*

Usage

```
sw_trend(cj, lambda)
```

Arguments

cj	a
lambda	a

sw_trend2 *Generation of stepwise trend with jump sizes adapted to sample size per period*

Usage

```
sw_trend2(cj, lambda, ss_period, ss_total)
```

Arguments

cj	a
lambda	a
ss_period	a
ss_total	a

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