Package 'TERAplusB'

February 19, 2015

Title Test for A+B Traditional Escalation Rule

Version 1.0

Date 2011-05-24

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Description This package is for the comparison of various types of A+B
escalation rules for dose finding trials.

License LGPL-2.1

LazyLoad yes

Repository CRAN

Date/Publication 2012-10-29 08:57:44

NeedsCompilation no

R topics documented:

TERAplusB-package   *A+B Traditional Escalation Rule*

Description

TERAplusB is designed for the comparison of various A+B TER.

Author(s)

Eun-Kyung Lee

References

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Examples

```
TER.deesc.A.B(c("D1","D2"),c(0.2,0.7),3,3,1,2,3)
```

TER.deesc.1.B   *Find the bootstrap distribution*

Description

TER.deesc.1.B finds all possible combinations of 1+B design with specific dose-toxicity relations.

Usage

```
TER.deesc.1.B(Dose,Prob.Dose,B,C,D,E)
```

Arguments

Dose	Dose levels
Prob.Dose	True Probability of toxicity
B	Number of added patients
C	Cutoff point 1
D	Cutoff point 2
E	Cutoff point 3

Value

tot.list	All possible combinations of 1+B design
Prob.result	Expected distribution of MTD
E.toxrate	Expected toxicity rate
E.n	Expected number of patients
E.time	Expected number of periods

References

Adaptive Design Methods in Clinical Trials - Chow and Chung

Examples

```
library(TERAplusB)
TER.deesc.1.B(c("D1","D2"),c(0.2,0.7),B=3,C=1,D=1,E=2)
```

TER.deesc.A.B *Find the bootstrap distribution*

Description

TER.deesc.A.B finds all possible combinations of A+B design with specific dose-toxicity relations.

Usage

```
TER.deesc.A.B(Dose,Prob.Dose,A,B,C,D,E)
```

Arguments

Dose	Dose levels
Prob.Dose	True Probability of toxicity
A	Number of patients in each level
B	Number of added patients
C	Cutoff point 1
D	Cutoff point 2
E	Cutoff point 3

Value

tot.list	All possible combinations of 1+B design
Prob.result	Exact distribution of MTD
E.toxrate	Expected toxicity rate
E.n	Expected number of patients
E.time	Expected number of periods

References

Adaptive Design Methods in Clinical Trials - Chow and Chung

Examples

```
library(TERAplusB)
TER.deesc.A.B(c("D1","D2"),c(0.2,0.7),A=3,B=3,C=1,D=2,E=2)
```

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