Package 'ncarbe'

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Title Perform BE Test Using NonCompart Package

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Maintainer Sungpil Han <shan@acp.kr>

Description Performs a statistical analysis of 2x2 bioequivalence study using NonCompart package created by Kyun-Seop Bae. * Reference: Shein-Chung Chow, Jen-pei Liu. Design and Analysis of Bioavailability and Bioequivalence Studies, 3rd ed. 2008. (ISBN:9781584886686)

Depends R (>= 3.4.1)

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Encoding UTF-8

LazyData true

Imports NonCompart, dplyr

RoxygenNote 6.0.1

R topics documented:

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beNCA	*Performs a statistical analysis of 2x2 bioequivalence study*

Description

beNCA returns text output of a statistical analysis of 2x2 bioequivalence study. Analysis of variance, least square means, confidence interval, and sample size will be calculated for AUClast and Cmax. Wilcoxon Signed-Rank Test and Hodges-Lehmann Estimate will be performed for Tmax.

Usage

```
beNCA(concData, SUBJ = "SUBJ", GRP = "GRP", PRD = "PRD", TRT = "TRT",
  method = "kbe", ...)
```

Arguments

`SUBJ`	Subject ID, any data type
`GRP`	column name in which information of "RT" or "TR" exists.
`PRD`	column name in which information of 1 or 2 exists.
`TRT`	column name in which information of "R" or "T" exists.
`method`	kbe by authors or `nlme` package uploaded on CRAN

Details

Reference: Shein-Chung Chow, Jen-pei Liu. Design and Analysis of Bioavailability and Bioequivalence Studies, 3rd ed. 2008. (ISBN:9781584886686)

Value

returns text results of statistical analysis of 2x2 bioequivalence study including and `beNCAdataset.csv` file in the working directory which can be run in SAS.

Examples

```
file <- system.file('example', 'beConc.csv', package = 'ncarbe')
concData <- read.csv(file, as.is = TRUE)
beNCA(concData)
```

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