Package ‘tttplot’

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Type Package
Title Time to Target Plot
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Description Implementation of Time to Target plot based on the work of Ribeiro and Rosseti (2015) <DOI:10.1007/s11590-014-0760-8>, that describe a numerical method that gives the probability of an algorithm A finds a solution at least as good as a given target value in smaller computation time than algorithm B.
License GPL (>= 2)
NeedsCompilation no
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R topics documented:

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Description

Make a TTTPlot with the information of a vector of times and calcule the theoretical time values (exp) according to work of Ribeiro and Rosseti (2015) <DOI: 10.1007/s11590-014-0760-8>.
Usage

```r
tttPlot(timeValue = NULL, tGraph = "TTTPlot", snTheorical = FALSE)
```

Arguments

- **timeValue**: A vector with the times
- **tGraph**: A character with the type of Plot: ["QQPlot","TTTPlot"]
- **snTheorical**: A boolean that indicated if need to plot the exp function

Value

- **xSortVal**: is the vector `timeValue` sorted
- **probTV**: is the accumulated probability distribution for `timeValue`

References


See Also


Examples

```r
tttPlot(c(1:10))
```

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**tttPlotCompare**  
*TTTPlot with the comparation of two vectors*

Description

Make a TTTPlot with the information of a vector of times and calcule the theoretical time values (exp) according to work of Ribeiro and Rosseti (2015) <DOI: 10.1007/s11590-014-0760-8> for two vectors.

Usage

```r
tttPlotCompare(timeValue1 = NULL, timeValue2 = NULL, tGraph = "TTTPlot", snTheorical = FALSE, xLab = "Time", yLab = "Accum. Prob.", legendTT = NULL, snReturn = TRUE, posLegend = "topleft")
```
Arguments

- timeValue1: A vector with the times
- timeValue2: A vector with the times
- tGraph: A character with the type of Plot: ["QQPlot","TTTPlot"]
- snTheorical: A boolean that indicated if need to plot the exp function
- xlab: A character with the information of xlab for the plot
- ylab: A character with the information of ylab for the plot
- legendTT: A character with the information of legend for the plot
- snReturn: A boolean that indicate if the function return the list of values.
- posLegend: A character with the position of the legend in the plot.

Value

- xSortVal1: is the vector timeValue1 sorted
- xSortVal2: is the vector timeValue2 sorted
- probTV1: is the accumulated probability distribution for timeValue1
- probTV2: is the accumulated probability distribution for timeValue2

References


See Also


Examples

```r
tttPlotCompare(c(1:10), c(1:10))
```
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