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
Repository CRAN
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| tttPlot | Time to Target Plot for one vector |

Description

Make a TTTPlot with the information of a vector of times and calulce 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))
```

Usage

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

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.
**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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