Package: WeibullR.plotly (via r-universe)

Type Package

Title Interactive Weibull Probability Plots with 'WeibullR'

Version 0.2.1

Description Build interactive Weibull Probability Plots with
'WeibullR' by David Silkworth and Jurgen Symynck (2022)
<https://CRAN.R-project.org/package=WeibullR>, an R package for
Weibull analysis, and 'plotly' by Carson Sievert (2020)
<https://plotly-r.com>, an interactive web-based graphing
library.

URL https://paulgovan.github.io/WeibullR.plotly/,
https://github.com/paulgovan/WeibullR.plotly

BugReports https://github.com/paulgovan/WeibullR.plotly/issues

License Apache License

Imports WeibullR, plotly

Suggests knitr, rmarkdown, spelling, testthat (>= 3.0.0)

Encoding UTF-8

RoxygenNote 7.3.2

Config/testthat/edition 3

Language en-US

Repository https://paulgovan.r-universe.dev

RemoteUrl https://github.com/paulgovan/weibullr.plotly

RemoteRef HEAD

RemoteSha 375b7746cc2d2725a2eb331f843d88ed53b17ff6

Contents

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plotly_contour	*Interactive Contour Plot.*

Description

Interactive Contour Plot.

Usage

```
plotly_contour(
  wblr_obj,
  main = "Contour Plot",
  xlab = "Eta",
  ylab = "Beta",
  showGrid = TRUE,
  col = "black",
  gridCol = "lightgray",
  signif = 3
)
```

Arguments

wblr_obj	An object of class 'wblr'.
main	Main title.
xlab	X-axis label.
ylab	Y-axis label.
showGrid	Show grid (TRUE) or hide grid (FALSE).
col	Color of the model contour
gridCol	Color of the grid.
signif	Significant digits of results

Value

The function returns no value.

Examples

```
library(WeibullR)
library(WeibullR.plotly)
failures<-c(30, 49, 82, 90, 96)
obj<-wblr.conf(wblr.fit(wblr(failures), method.fit = 'mle'), method.conf = 'lrb')
plotly_contour(obj)
```

plotly_wblr	*Interactive Probability Plot.*

Description

Interactive Probability Plot.

Usage

```
plotly_wblr(
  wblr_obj,
  susp = NULL,
  showConf = TRUE,
  showSusp = TRUE,
  showRes = TRUE,
  showGrid = TRUE,
  main = "Probability Plot",
  xlab = "Time to Failure",
  ylab = "Probability",
  probCol = "black",
  fitCol = "black",
  confCol = "black",
  intCol = "black",
  gridCol = "gray",
  signif = 3
)
```

Arguments

wblr_obj	An object of class 'wblr'.
susp	An optional numeric vector of suspension data.
showConf	Show the confidence bounds (TRUE) or not (FALSE).
showSusp	Show the suspensions plot (TRUE) or not (FALSE).
showRes	Show the results table (TRUE) or not (FALSE).
showGrid	Show grid (TRUE) or hide grid (FALSE).
main	Main title.
xlab	X-axis label.
ylab	Y-axis label.
probCol	Color of the probability values.
fitCol	Color of the model fit.
confCol	Color of the confidence bounds.
intCol	Color of the intervals for interval censored models.
gridCol	Color of the grid.
signif	Significant digits of results

Value

The function returns no value.

Examples

```
library(WeibullR)
library(WeibullR.plotly)
failures <- c(30, 49, 82, 90, 96)
obj <- wblr.conf(wblr.fit(wblr(failures)))
plotly_wblr(obj)
```

Index