

Package ‘episheet’

September 5, 2016

Type Package

Title Rothman's Episheet

Version 0.2.0

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Description A collection of R functions supporting the text book
Modern Epidemiology, Second Edition, by Kenneth J.Rothman and Sander Greenland.
ISBN 13: 978-0781755641 See <<http://www.krothman.org/>> for more information.

License GPL (>= 2)

URL <https://github.com/epijim/episheet>

BugReports <https://github.com/epijim/episheet/issues>

Encoding UTF-8

LazyData true

RoxygenNote 5.0.1

Suggests knitr, rmarkdown

Imports dplyr, tidyr, ggplot2, magrittr

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

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pvalueplot

Plot the p-value function

Description

Plot the p-value function for one or two confidence interval pairs. See following for example of the use in the literature: Is flutamide effective in patients with bilateral orchiectomy? Rothman, Kenneth J et al. The Lancet , Volume 353 , Issue 9159 , 1184

Usage

```
pvalueplot(est1.ll, est1.ul, est2.ll = NA, est2.ul = NA,
  label1 = "Estimate 1", label2 = "Estimate 2", xlabel = "Relative Risk",
  citype = "95%CI", labelsiz = NULL, functionwidth = 1,
  referencewidth = 1)
```

Arguments

est1.ll	Lower confidence interval of estimate 1
est1.ul	Upper confidence interval of estimate 1
est2.ll	Lower confidence interval of estimate 2 (optional)
est2.ul	Upper confidence interval of estimate 2 (optional)
label1	If using two estimates, name the 1st
label2	If using two estimates, name the 2nd
xlabel	The x axis label
citype	Choose between '95%CI', '90%CI' or '99%CI'
labelsiz	Change size of labels
functionwidth	Change width of pvalue function line
referencewidth	Change width of reference lines

Bugs

Code repo: <https://github.com/epijim/episheet>

Examples

```
pvalueplot(
  est1.ll = 0.9,
  est1.ul = 12,
  xlabel = "Relative Risk"
)
```

```
pvalueplot(
  est1.ll = 0.8,
  est1.ul = 3.8,
```

```
est2.ll = 1.2,  
est2.ul = 2,  
label1 = "Estimate 1",  
label2 = "Estimate 2",  
xlabel = "Relative Risk",  
cotype = "95%CI"  
)
```

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