Package ‘signibox’

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Type Package
Title Statistical Significance Marks on Boxplots
Version 1.0
Date 2022-03-17
Author Louis-Marvin Sander, master of ecology student from Bayreuth, DE
Maintainer Louis-Marvin Sander <louis.sander@web.de>
Description Add significance marks to any R Boxplot, including a given significance niveau.
License GPL (>= 2)
NeedsCompilation no
Repository CRAN
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R topics documented:

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Description

Add significance marks to any R Boxplot, including a given significance niveau.

Usage

  signibox(start = 1, end = 2, height = 8.5,
           sigtext = "test", color = "orange3", textsize = 1,
           linetype = 1, textheight = 0.5, linewidth = 1)
Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>start</td>
<td>Location of the fist boxplot that should be marked.</td>
</tr>
<tr>
<td>end</td>
<td>Location of the second boxplot that should be marked.</td>
</tr>
<tr>
<td>height</td>
<td>Height of the marker in the plot.</td>
</tr>
<tr>
<td>sigtext</td>
<td>Text above the significance mark.</td>
</tr>
<tr>
<td>color</td>
<td>Color of the mark and the text.</td>
</tr>
<tr>
<td>textsize</td>
<td>Size of the text.</td>
</tr>
<tr>
<td>linetype</td>
<td>Line type of the marker.</td>
</tr>
<tr>
<td>textheight</td>
<td>Height of the text above the marker.</td>
</tr>
<tr>
<td>linewidth</td>
<td>Width/Size of the marker.</td>
</tr>
</tbody>
</table>

Value

It adds a marker, created from two "arrows", to the graph.

Author(s)

Louis-Marvin Sander, master of ecology student from Bayreuth, DE

Examples

```r
boxplot(iris, ylim=c(0,11))
# Marker only for illustration, no statistical evidence for given significance niveaus.

signibox()
signibox(2, 3, 10, "highly significant")
signibox(4, 5, 4, "NS")
signibox(start = 3, end = 5, height = 8.5,
          sigtext = "NS", color = "black", textsize = 2,
          linetype = 1, textheight = 0.5, linewidth = 2)
```
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