Package 'ATR'

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Title Alternative Tree Representation	
Date 2020-01-08	
Version 0.1-1	
Description Plot party trees in left-right orientation instead of the classical top-down layout.	
Depends grid, partykit	
Suggests trtf, mlbench	
Imports stats	
License GPL-2	
NeedsCompilation no	
Author Jon Eugster [ctr], Andrea Farnham [ctr], Raphael Hartmann [ctr], Tea Isler [ctr], Gilles Kratzer [ctr], Ke Li [ctr], Silvia Panunzi [ctr], Sophie Schneider [ctr], Craig Wang [ctr], Torsten Hothorn [aut, cre] (https://orcid.org/0000-0001-8301-0471)	
Maintainer Torsten Hothorn <torsten.hothorn@r-project.org></torsten.hothorn@r-project.org>	
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rotate

Change the class of a party object.

Description

Adds a new class to party objects allowing rotated tree visualisations.

Usage

```
rotate(m, to = "left", ...)
```

Arguments

```
m an object of class partyto a character, only left is implemented at the moment.... additional arguments, currently ignored.
```

Details

Adds a new class allowing for improved tree printing.

Note

This package was written by the students participating in the Advanced R Programming course taught in spring semester 2017 at University of Zurich.

Examples

```
data("airquality", package = "datasets")
m \leftarrow ctree(Wind \sim . , data = airquality)
plot(rotate(m), main = "TREE", tnex = 1.5)
if (require("trtf")) {
  data("Ozone", package = "mlbench")
 Ozone <- subset(Ozone, complete.cases(Ozone))</pre>
  Ozone <- as.data.frame(lapply(Ozone, function(x) {
      x <- x[, drop = TRUE]
      if (is.factor(x)) return(as.ordered(x))
  }))
  response <- "V4"
  Ozone[[response]] <- as.numeric(Ozone[[response]])</pre>
  ns <- 20
  fm \leftarrow V4 \sim V1 + V2 + V3 + V5 + V6 + V7 + V8 + V9 + V10 + V11 + V12 + V13
 mtry <- ceiling(length(all.vars(fm[[3]])) / 3)</pre>
  var_m <- numeric_var("V4", support = quantile(Ozone[[response]], prob = c(.1, .9)),</pre>
                    add = range(Ozone[[response]]) -
```

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```
* tree rotate, 2 rotate, 2
```