Type of relation for probabilities Package 'bmisc'

By Benoît Bruneau

Package : 'bmisc'

Version : 0.2-12

Depends : car, lattice, zoo, robustbase, and methods

Author & Maintainer : Benoit Bruneau (benoit.bruneau1@gmail.com)

Description : These functions can be used to estimate probabilities `[0,1]` by specifying the inflection points of a relation. Described relations are of type 'full','ramp' and 'logistic'.

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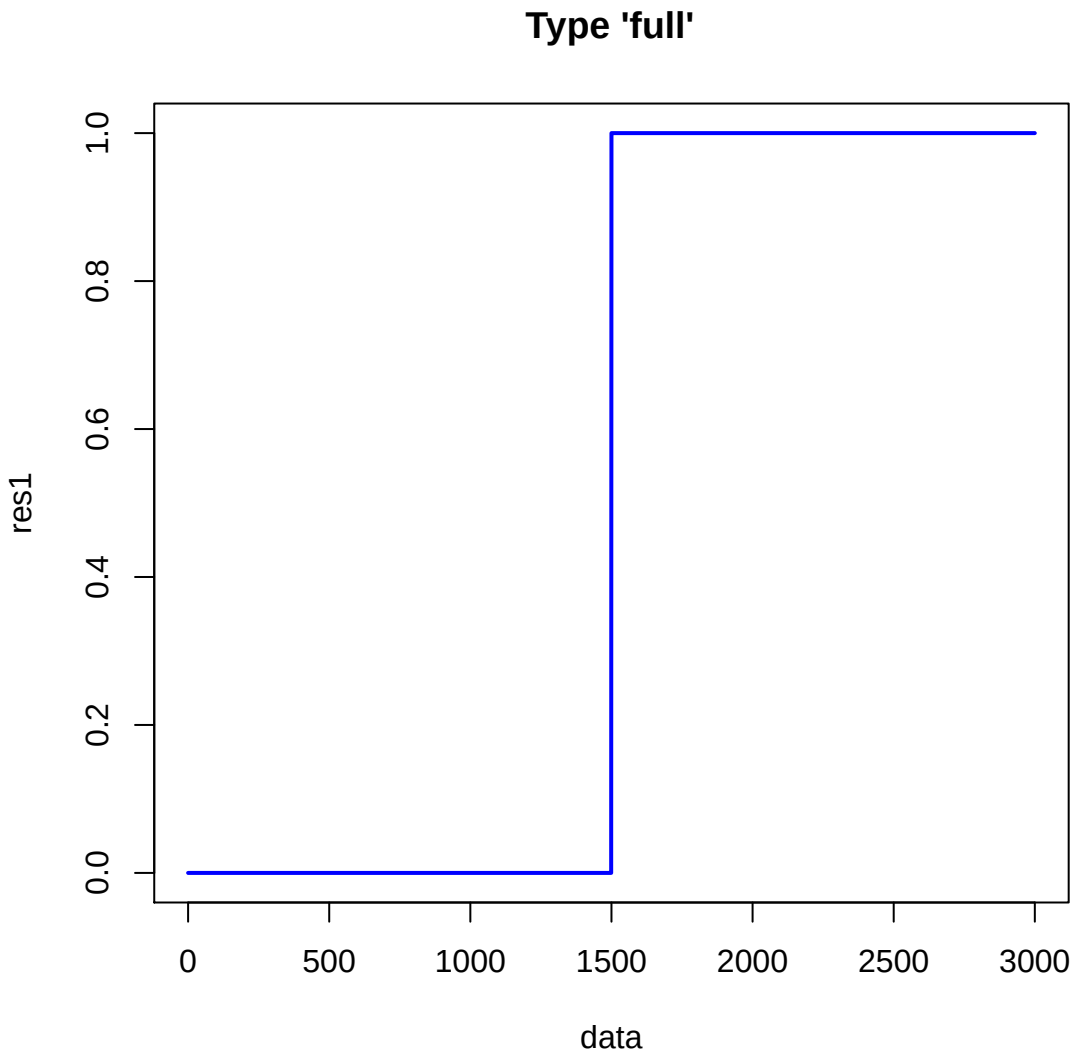
1 Type full and plat.full probabilities

```
> data = 0:3000
> res1 = full.sel(infl1 = 1500, x = data)
> plot(res1 ~ data, type = "l", lwd = 2, col = "blue", main = "Type 'full'")
```




```
> e = rnorm(1000)
> mysummary <- function(x, npar = TRUE, print = TRUE) {
    if (!npar) {
        center <- mean(x)
        spread <- sd(x)
    }
    else {
        center <- median(x)
        spread <- mad(x)
```

```
    }
    if (print & !npar) {
        cat("Mean=", center, "\n", "SD=", spread, "\n")
    }
    else if (print & npar) {
        cat("Median=", center, "\n", "MAD=", spread, "\n")
    }
    result <- list(center = center, spread = spread)
    return(result)
}
```

Exemple d'utilisation de cette fonction :

```
> set.seed(1234)
> x <- rpois(500, 4)
> y <- mysummary(x)

Median= 4
 MAD= 1.4826
```

Le présent document est appelé à évoluer.