violinpoint package example (version 0.3.0)

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Abstract

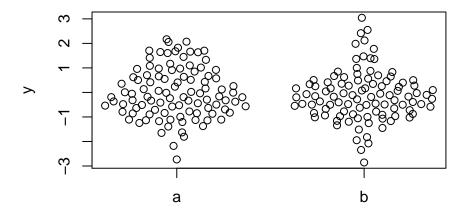
This is a collection of examples of usage for the violinpoint package.

Keywords: visualization, display, one dimensional, grouped, groups, violin, scatter, points, quasirandom, beeswarm, van der Corput.

1. The basics

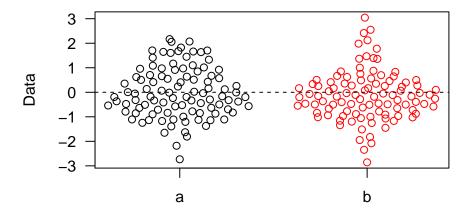
This is the simplest example of using the vpPlot function to generate violin scatter plots:

- > set.seed(1234)
- > n<-100
- > dat<-rnorm(n*2)</pre>
- > labs<-rep(c('a','b'),n)</pre>
- > vpPlot(labs,dat)



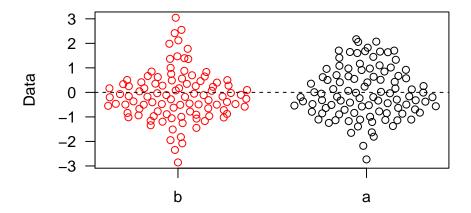
vpPlot is just a wrapper around plot so normal graphical options and functions can be used:

- > vpPlot(labs,dat,las=1,ylab='Data',col=rep(1:2,n))
- > abline(h=0,1ty=2)



Factors can be used to generate custom group orderings:

- > labs2<-factor(labs,levels=c('b','a'))</pre>
- > vpPlot(labs2,dat,las=1,ylab='Data',col=rep(1:2,n))
- > abline(h=0,1ty=2)



For custom plotting, the offsets for a group of points can be calculated using the offsetX function. The adjusted x position of the points is also returned invisibly from vpPlot:

Note that offsetX returns offsets centered around 0 which will need to be added to the

2. The basics

Affiliation:

[1] TRUE

original x positions.

Github: http://github.com/sherrillmix/violinpoint