2013-01-15

SOS on pairsPlus:

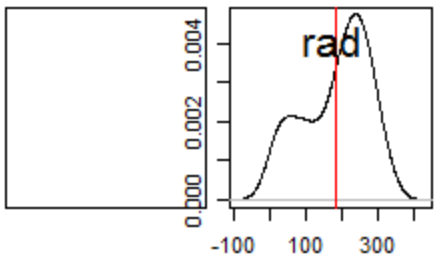
First, I used the panel.hist function as a template per your suggestion. I made the panel.density function, and commented it to smithereens, since some of the code in there was unfamiliar.

```
panel.density <- function(x,right=FALSE,diagCol=5,linefun=mean, ...)
{
        # Get the current value of the par(usr) configuration.
        # This is a vector of the form c(x1, x2, y1, y2) giving the extremes of
        # the user coordinates of the plotting region.
        # Upon function exit, restore the value of par to the initial value.
         usr <- par("usr"); on.exit(par(usr))

        # Set the value of the usr vector.
        par(usr = c(usr[1:2], 0, 1.5) )  # I have no idea what the coordinate are.

        # Plot the density function
        plot(density(x), main="", xlab="", ylab="")

        # Draw a vertical line at the mean(x).
        abline(v=linefun(x),col=2)
}
```

I then made function pairsPlusPlus function to replace panel.hist with panel.density:

```
pairsPlusPlus<-function(x, diag.panel=panel.density, diagCol=4, fitcurve='linear',...)
{
        pairs(x, diag.panel=diag.panel, upper.panel=panel.cor, lower.panel=panel.scatter,...)
}
```

When I call this using the native ozone.pollution dataset, I get a rather gaflupted pairsPlusPlus plot, whereas pairs plots correctly:


rad
0.000
0.002
0.004
-100
100
300

Any suggestions?