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Unified plots

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This document demonstrates the features of unifying plots in pander. First, if you do not want to deal with styling each of your images, just activate it: evalsOptions('graph.unify', TRUE).

Note: please install lattice and ggplot2 on your computer prior to trying to run all examples of this document.

Options

There are a bunch of options you might want to check out, these are:

- graph.nomargin
- graph.fontfamily
- graph.fontcolor
- graph.fontsize
- graph.grid
- graph.grid.minor
- \bullet graph.grid.color
- graph.grid.lty
- graph.boxes
- graph.legend.position
- graph.background
- graph.panel.background
- graph.colors
- graph.color.rnd

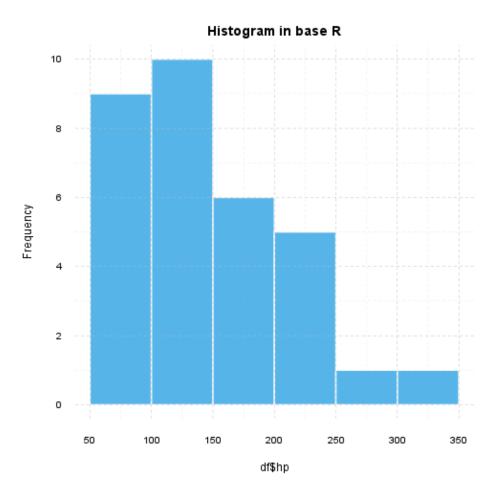
- graph.axis.angle
- graph.symbol

Find more details on pander's homepage.

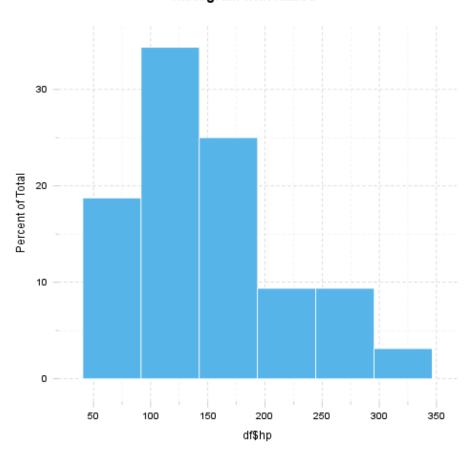
Default options

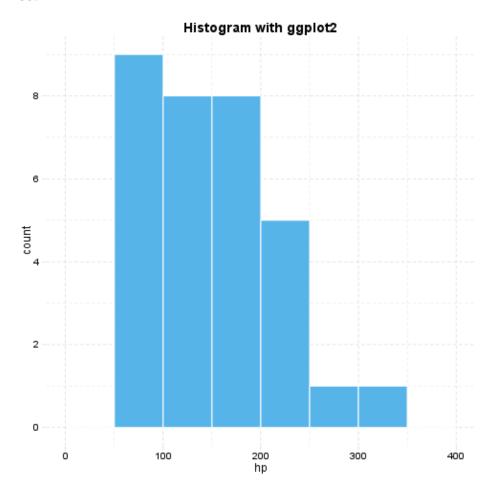
Not touching the above ones, let us check out how different plots look like by calling base R graphing function, lattice or ggplot2!

Histogram

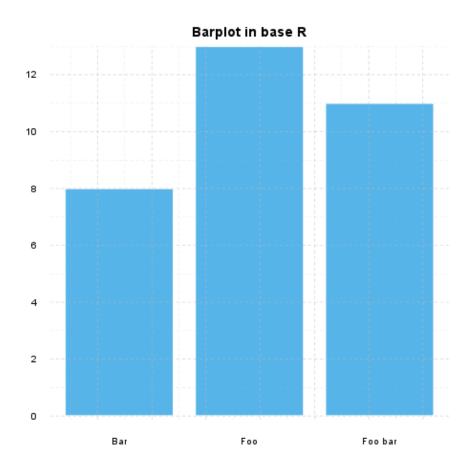


Histogram with lattice

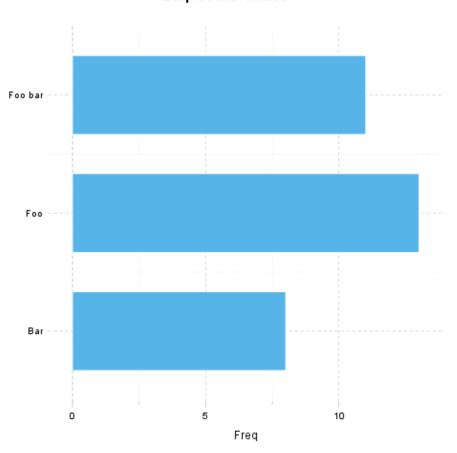


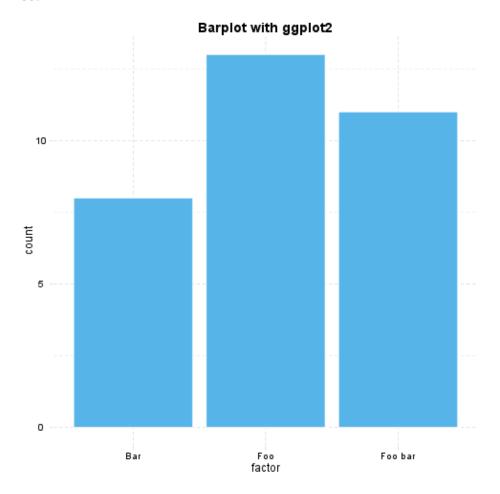


Barplot

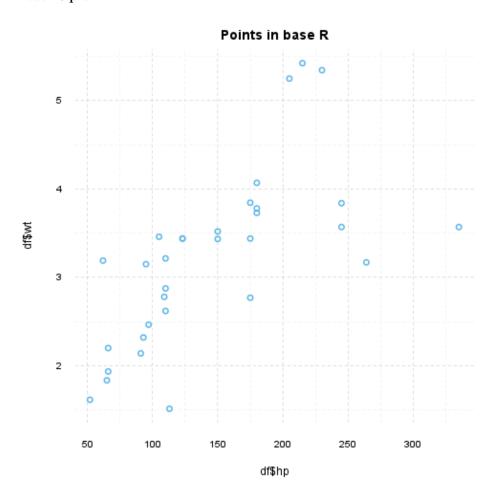


Barplot with lattice

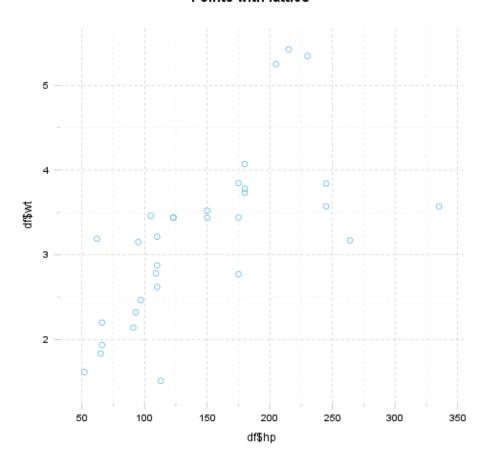


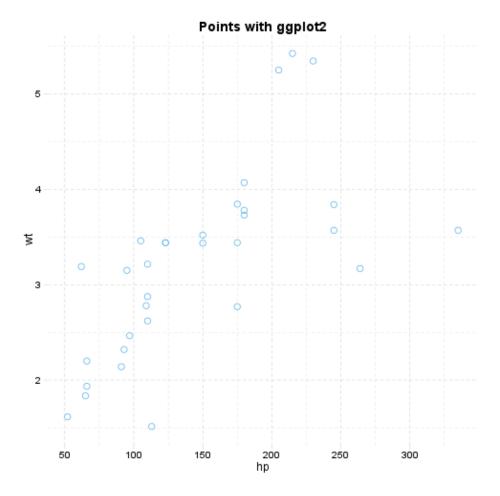


Points



Points with lattice



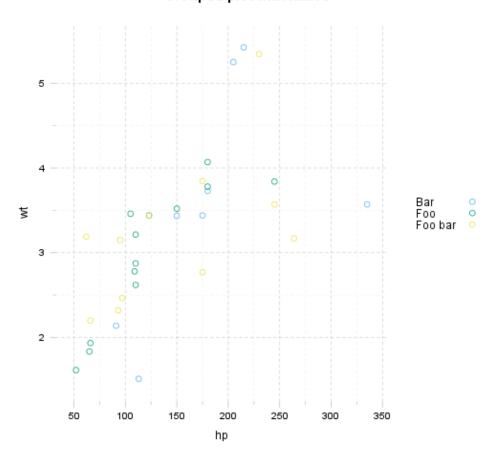


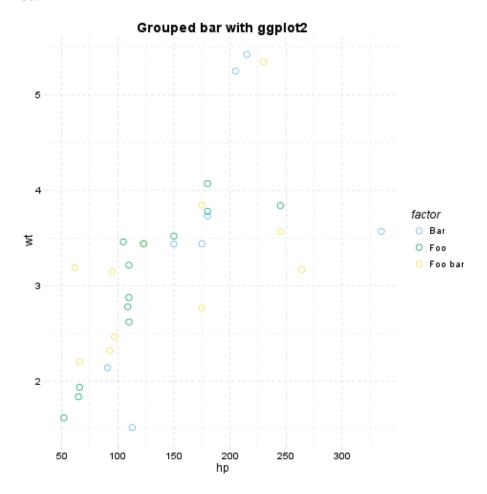
Grouped plot

Base R plot

I have no idea how to do that besides manually adding points.

Grouped plot with lattice



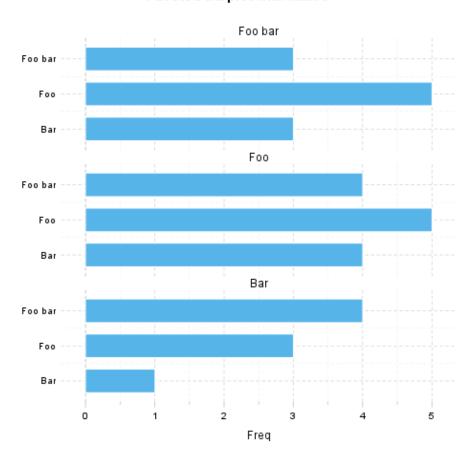


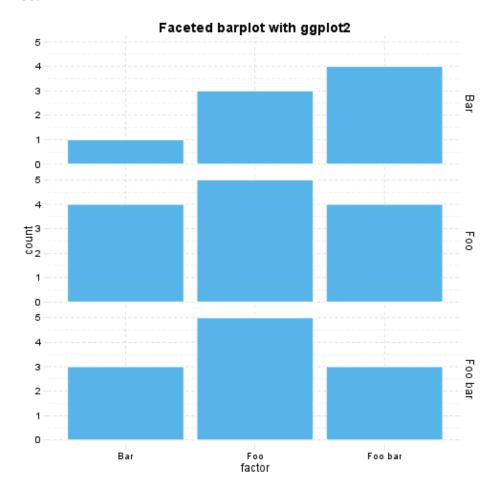
Facets

Base R plot

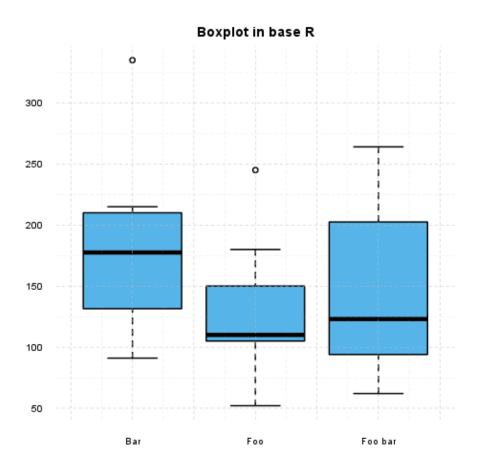
I have no idea how to do that besides par(mfrow=c(foo, bar)).

Faceted barplot with lattice

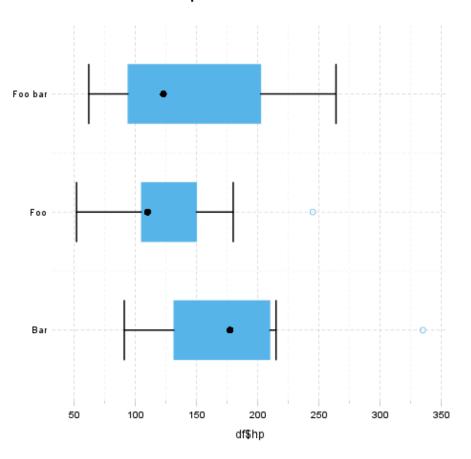


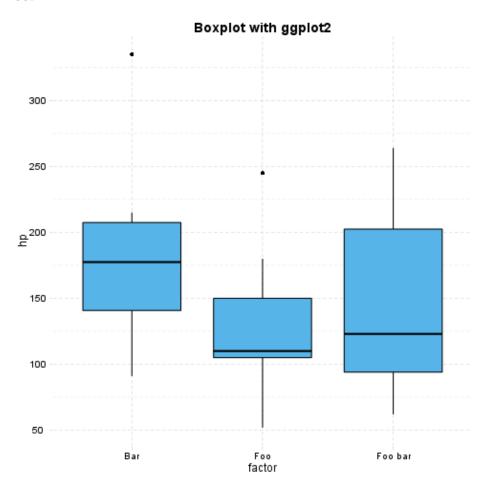


Boxplot

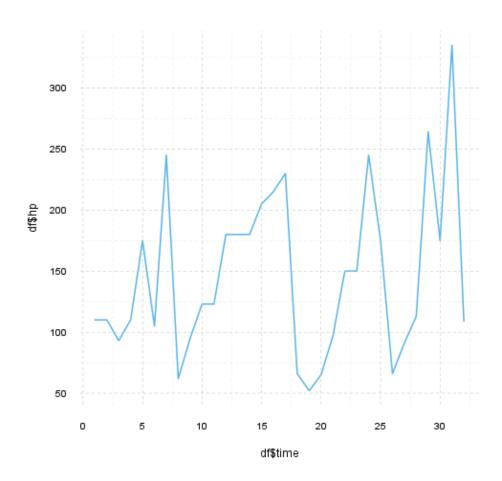


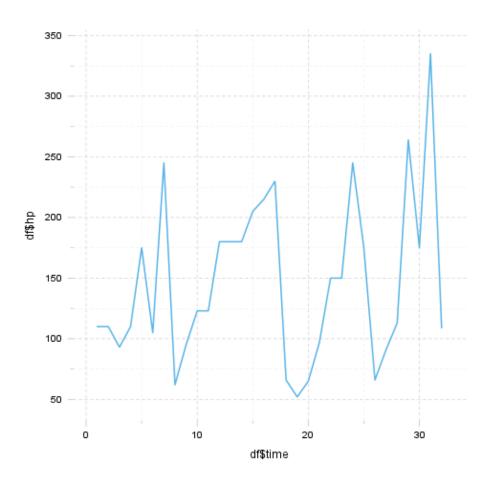
Boxplot with lattice

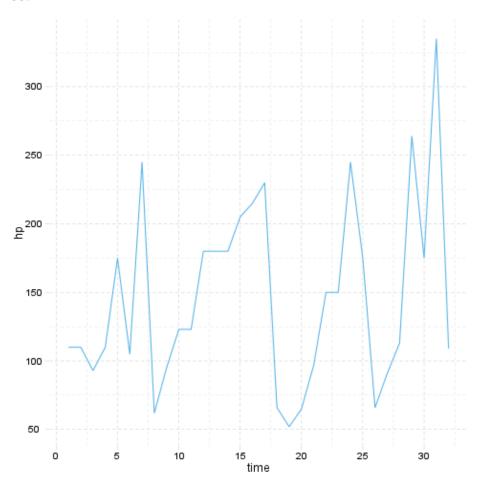




Lines







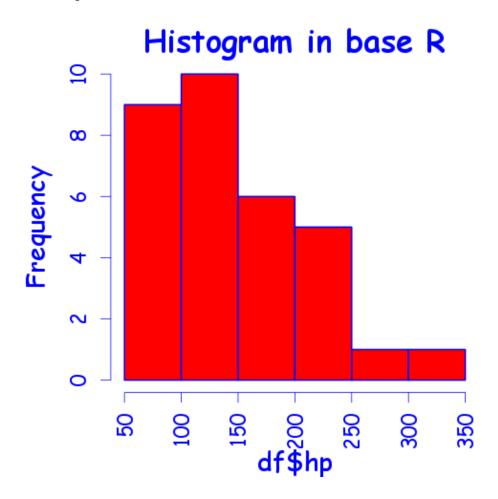
Custom options

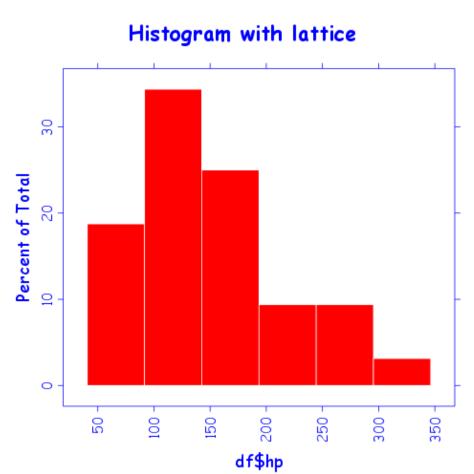
Below you can find some images generated by the exact same commands but with some modified panderOptions:

```
panderOptions('graph.fontfamily', "Comic Sans MS")
panderOptions('graph.fontsize', 18)
panderOptions('graph.fontcolor', 'blue')
panderOptions('graph.grid.color', 'blue')
panderOptions('graph.axis.angle', 3)
panderOptions('graph.boxes', T)
panderOptions('graph.legend.position', 'top')
```

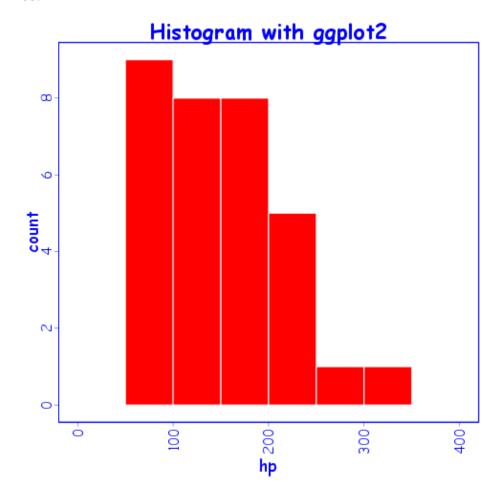
```
panderOptions('graph.colors', rainbow(5))
panderOptions('graph.grid', FALSE)
panderOptions('graph.symbol', 22)
```

Histogram



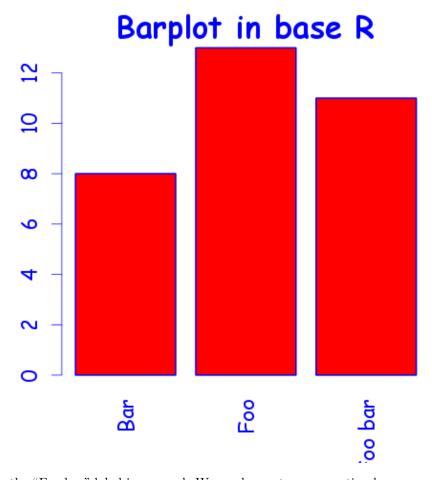


ggplot2

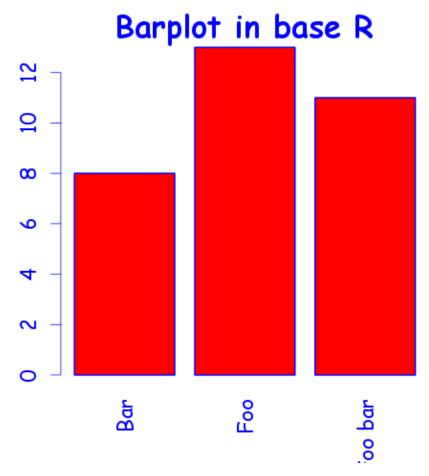


Barplot

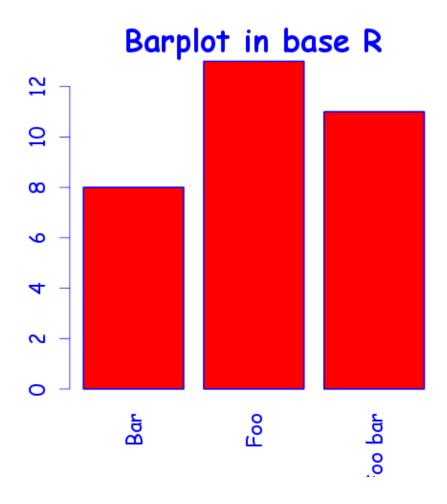
Base R plot



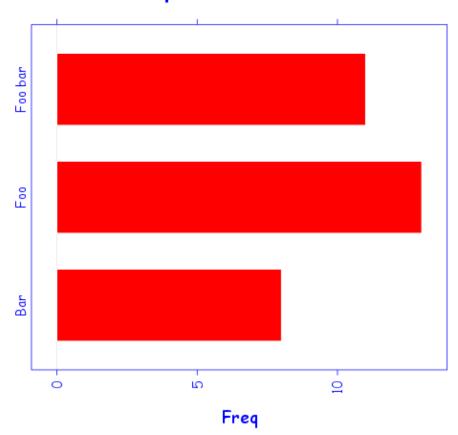
Yeah, the "Foo bar" label is cropped. We need a custom mar option here:

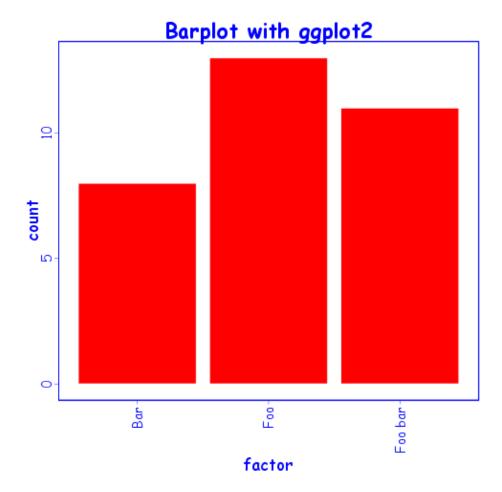


But wait, we lost the color! Right: unfortunately coloring base R plots is really hackish, pander is adding the col attribute to the calls. If you start to tweak par in a chunk, you should prepare to some unwanted side-effects. Solution:

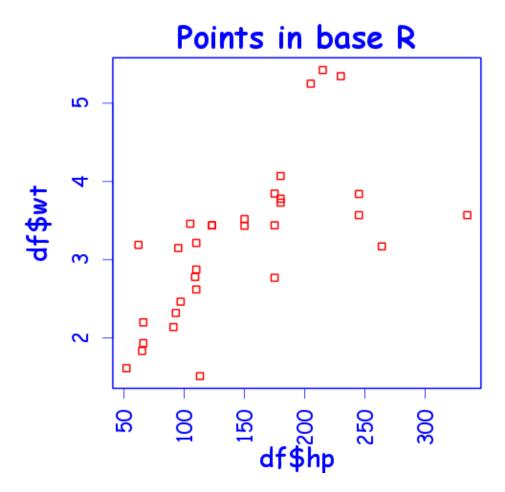


Barplot with lattice

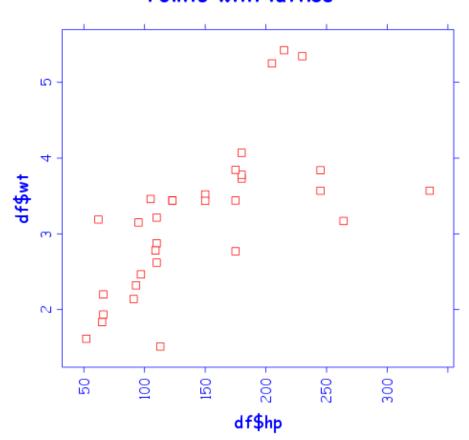


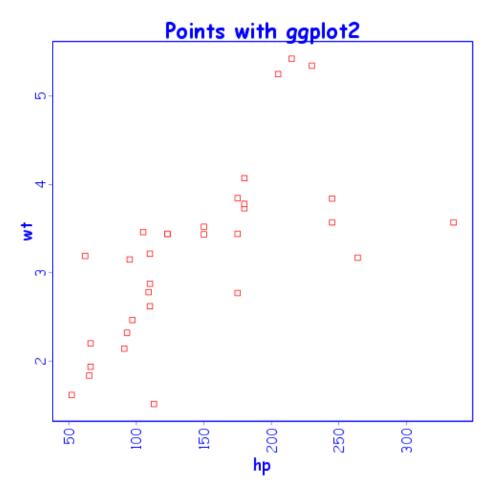


Points



Points with lattice

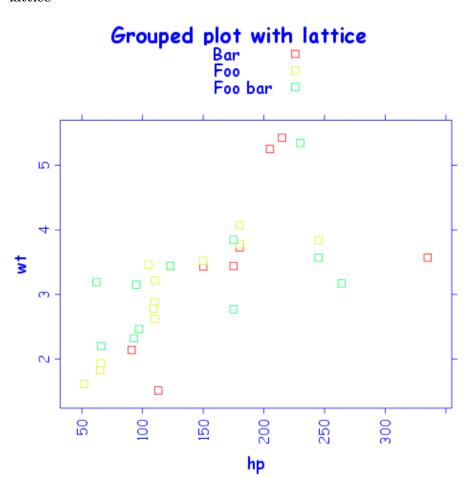




Grouped plot

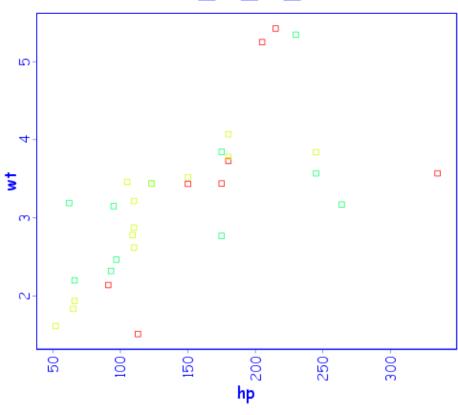
Base R plot

I have no idea how to do that besides manually adding points.



Grouped bar with ggplot2

factor □ Bar □ Foo □ Foo bar

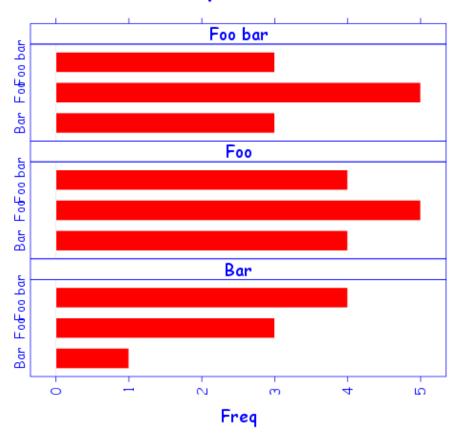


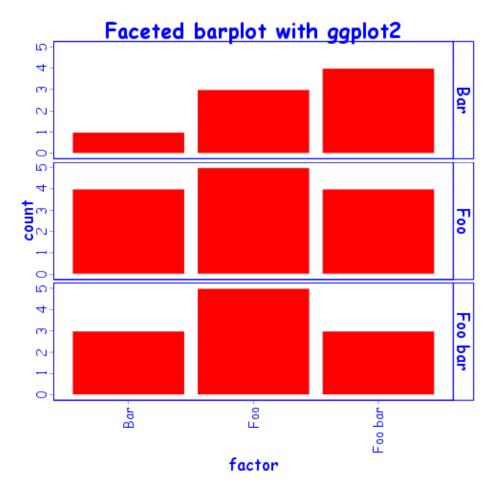
Facets

Base R plot

I have no idea how to do that besides par(mfrow=c(foo, bar)).

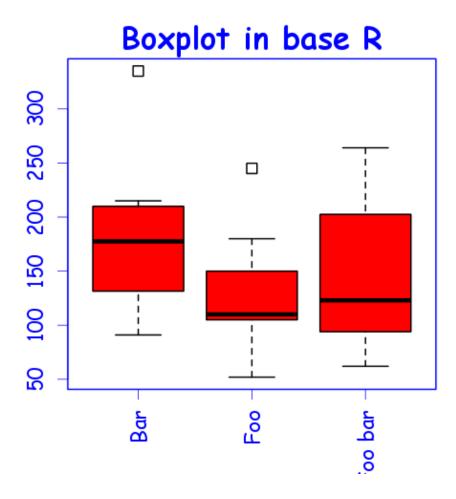
Faceted barplot with lattice



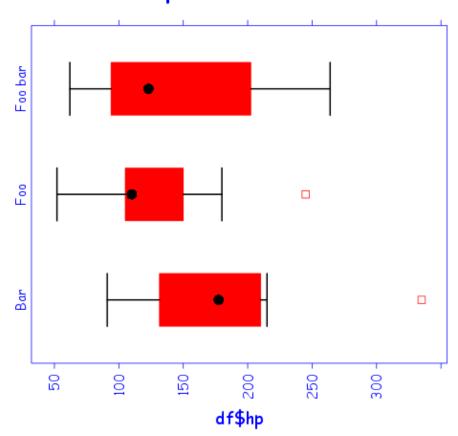


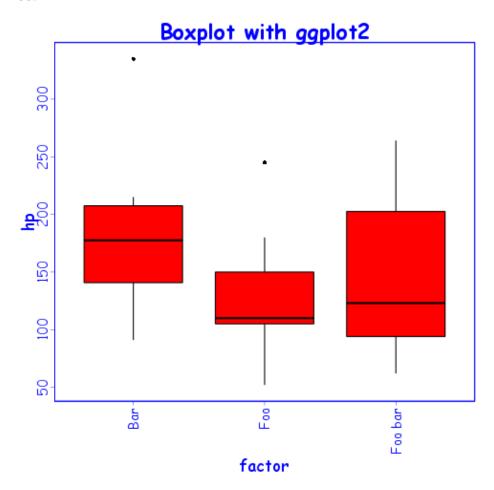
Boxplot

Base R plot

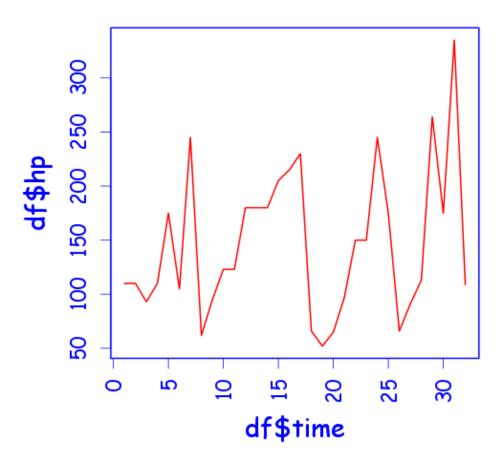


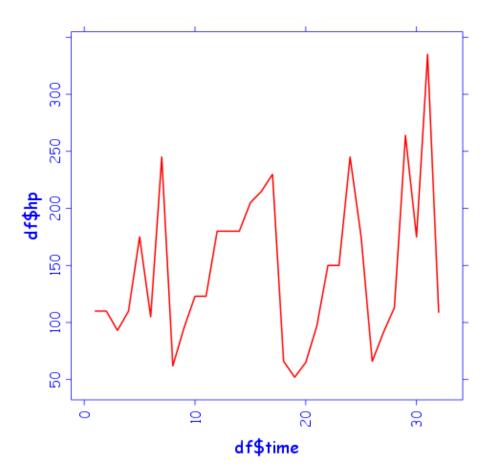
Boxplot with lattice

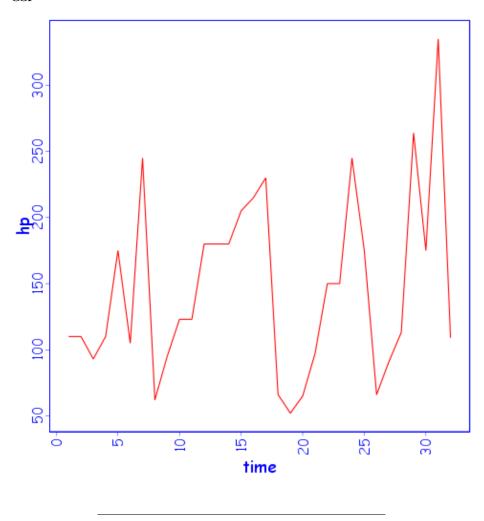




Lines







This report was generated with R (2.15.1) and pander (0.1) in 14.144 sec on x86_64-unknown-linux-gnu platform.