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Unified plots

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
* 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

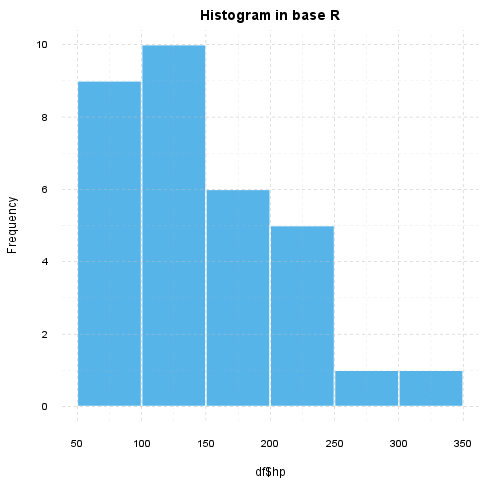
Find more details on [pander's homepage](http://daroczig.github.com/pander/#pander-options_link).

# Default options

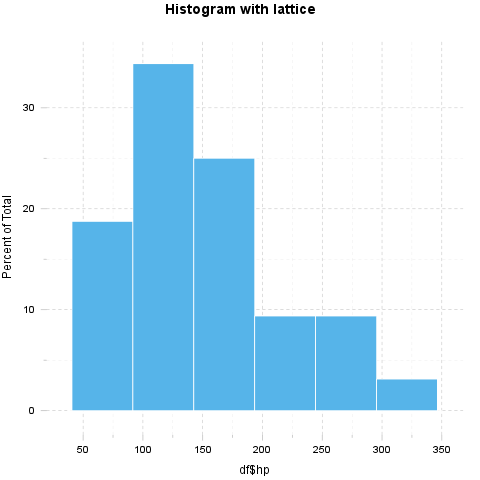
Not touching the above ones, let us check out how different plots look like by calling base R graphing function, lattice or ggplot2!

## Histogram

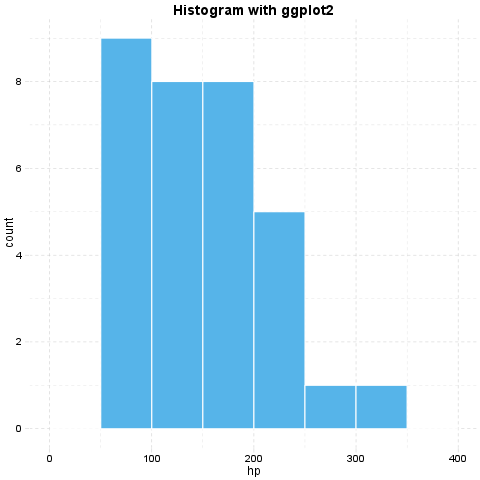
### Base R plot

[](plots/graphs-1-hires.png)

### lattice

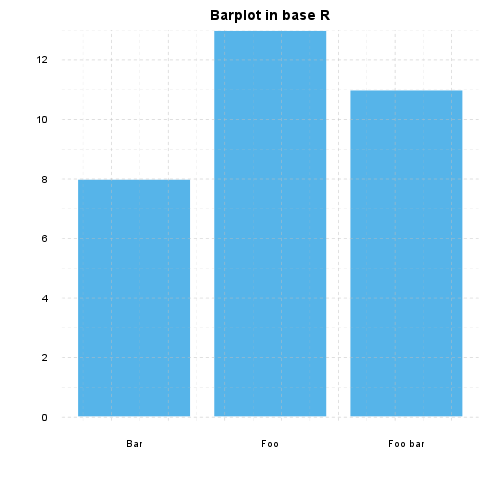
[](plots/graphs-2-hires.png)

### ggplot2

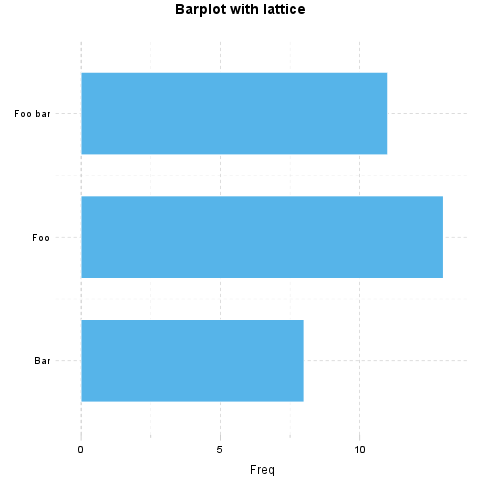
[](plots/graphs-3-hires.png)

## Barplot

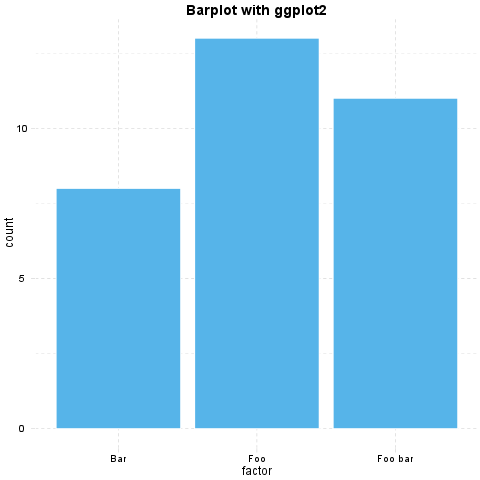
### Base R plot

[](plots/graphs-4-hires.png)

### lattice

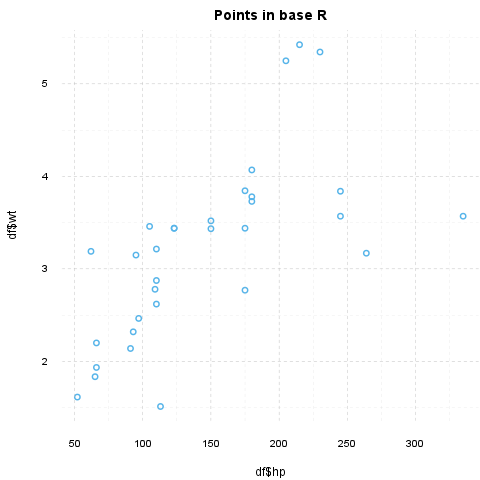
[](plots/graphs-5-hires.png)

### ggplot2

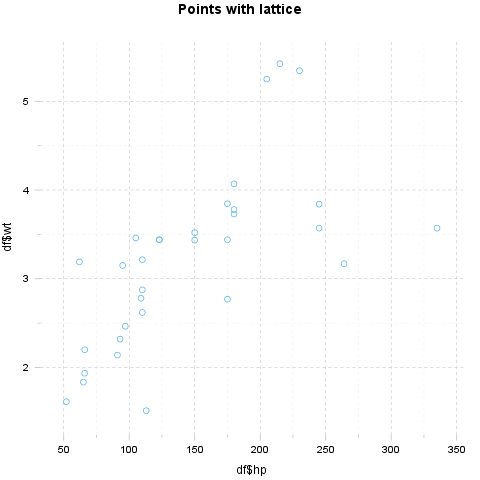
[](plots/graphs-6-hires.png)

## Points

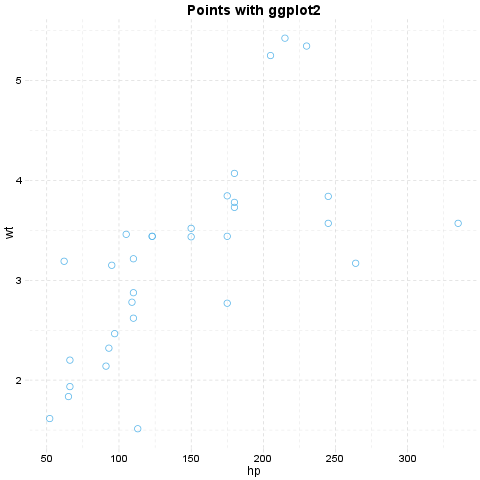
### Base R plot

[](plots/graphs-7-hires.png)

### lattice

[](plots/graphs-8-hires.png)

### ggplot2

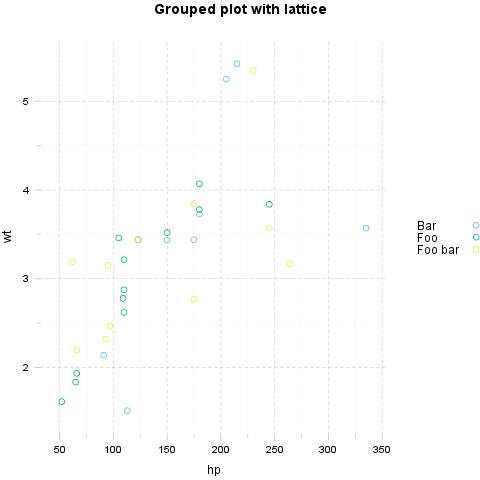
[](plots/graphs-9-hires.png)

## Grouped plot

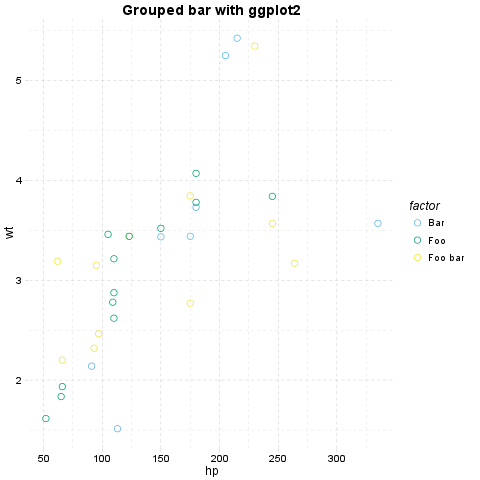
### Base R plot

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

### lattice

[](plots/graphs-10-hires.png)

### ggplot2

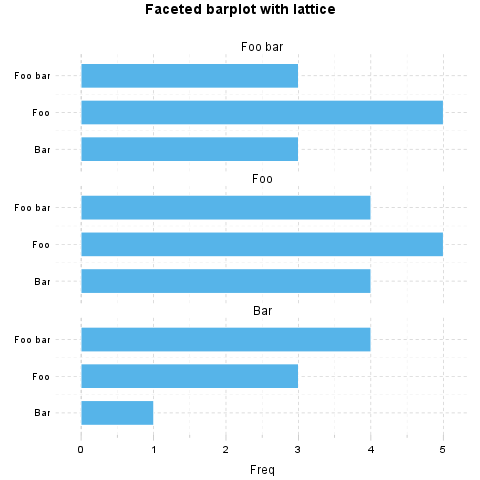
[](plots/graphs-11-hires.png)

## Facets

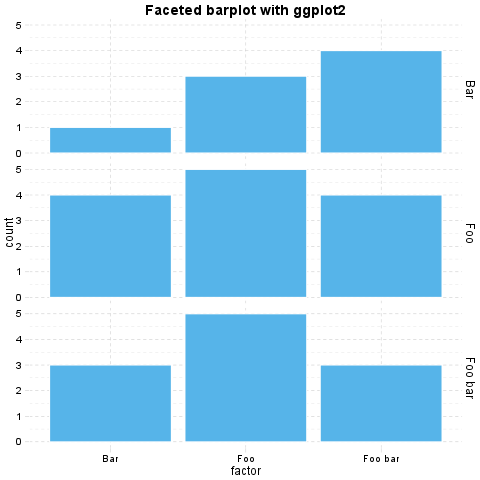
### Base R plot

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

### lattice

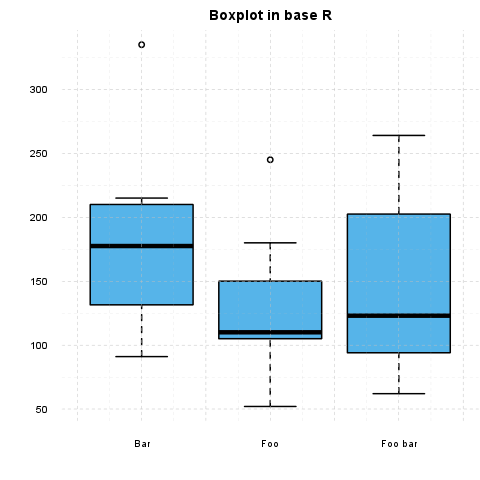
[](plots/graphs-12-hires.png)

### ggplot2

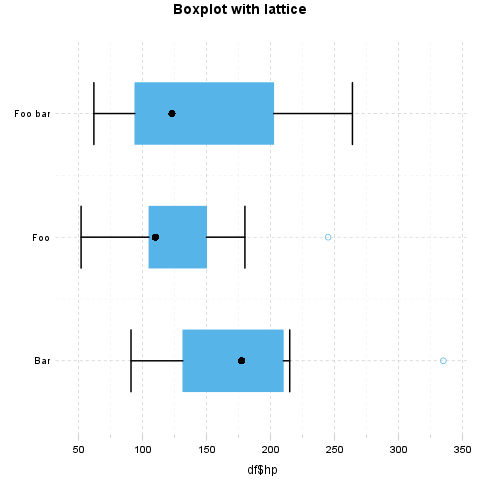
[](plots/graphs-13-hires.png)

## Boxplot

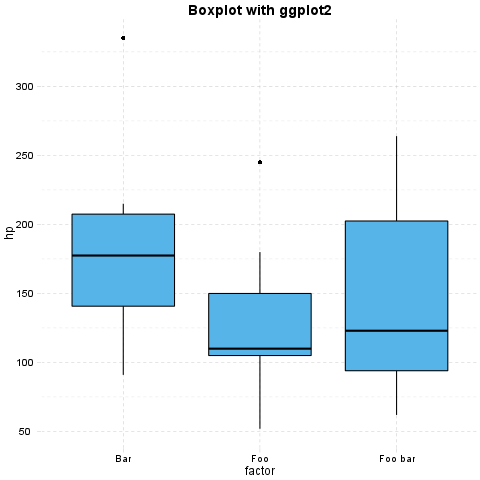
### Base R plot

[](plots/graphs-14-hires.png)

### lattice

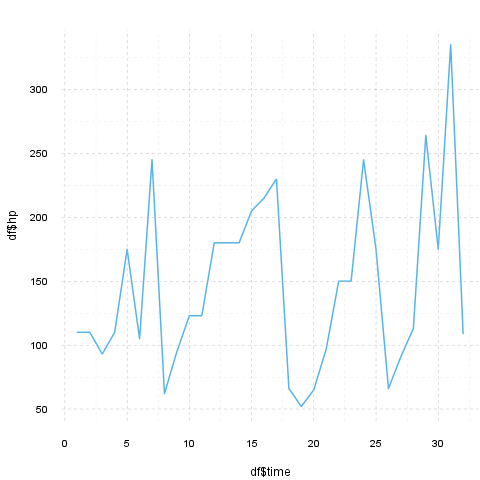
[](plots/graphs-15-hires.png)

### ggplot2

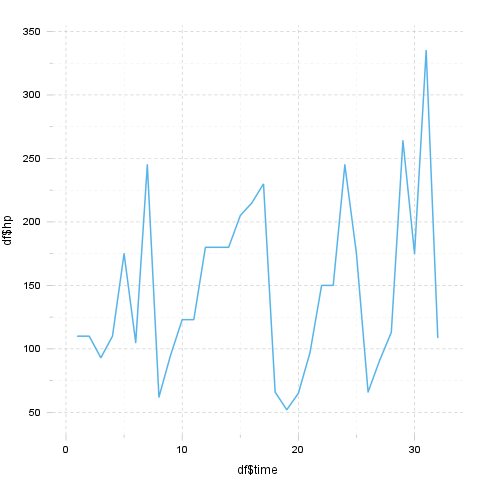
[](plots/graphs-16-hires.png)

## Lines

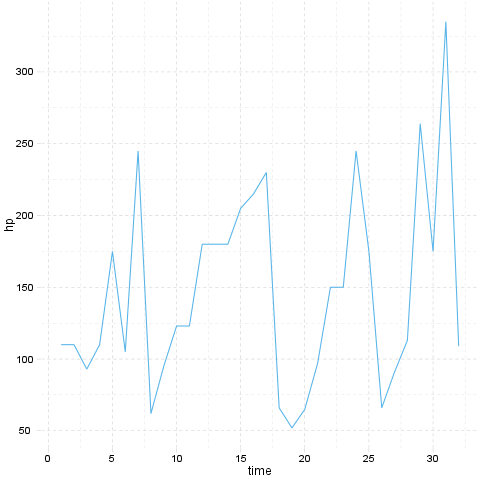
### Base R plot

[](plots/graphs-17-hires.png)

### lattice

[](plots/graphs-18-hires.png)

### ggplot2

[](plots/graphs-19-hires.png)

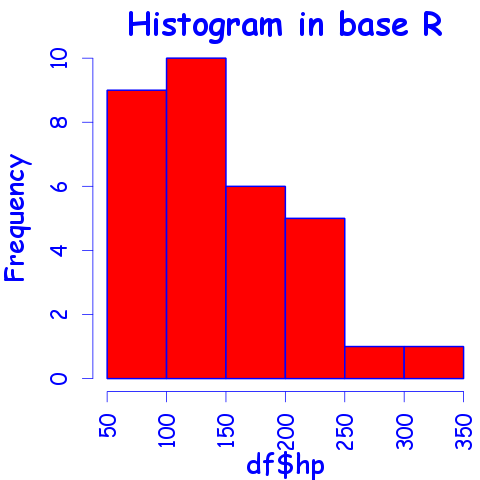
# Custom options

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

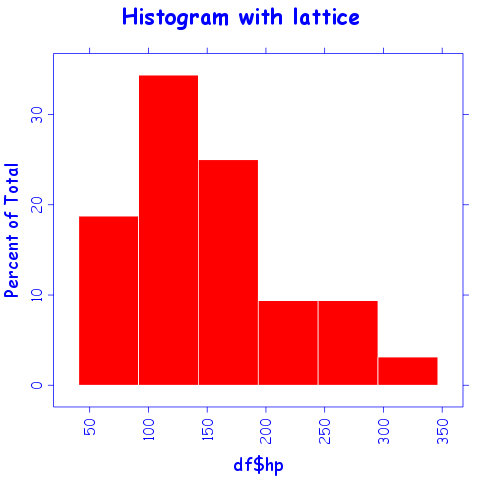
panderOptions('graph.fontfamily', "Comic Sans MS")  
panderOptions('graph.fontsize', 18)  
panderOptions('graph.fontcolor', 'blue')  
panderOptions('graph.grid.color', 'blue')  
panderOptions('graph.axis.angle', 3)  
panderOptions('graph.boxes', T)  
panderOptions('graph.legend.position', 'top')  
panderOptions('graph.colors', rainbow(5))  
panderOptions('graph.grid', FALSE)  
panderOptions('graph.symbol', 22)

## Histogram

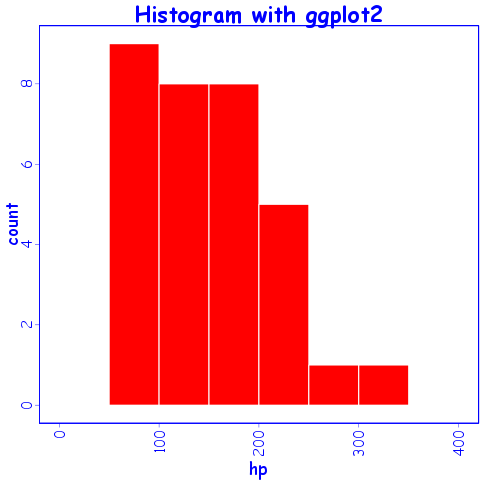
### Base R plot

[](plots/graphs-20-hires.png)

### lattice

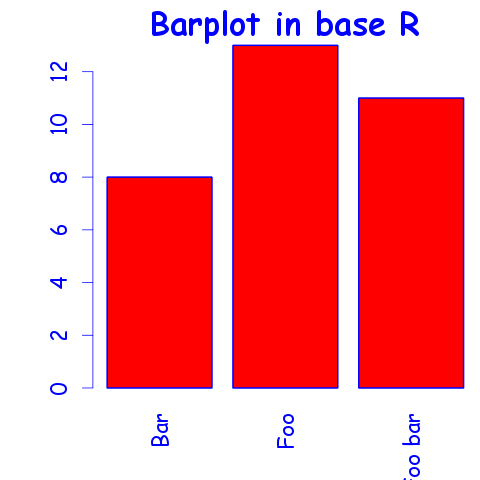
[](plots/graphs-21-hires.png)

### ggplot2

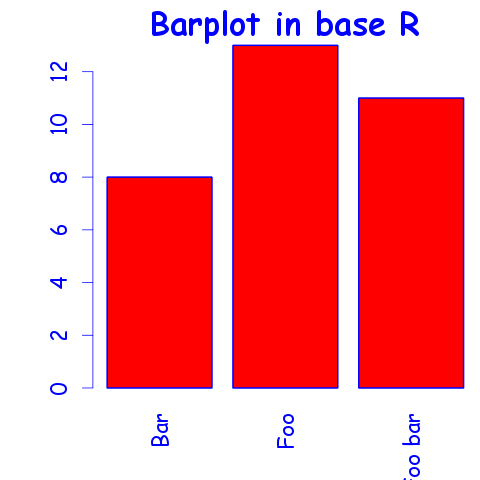
[](plots/graphs-22-hires.png)

## Barplot

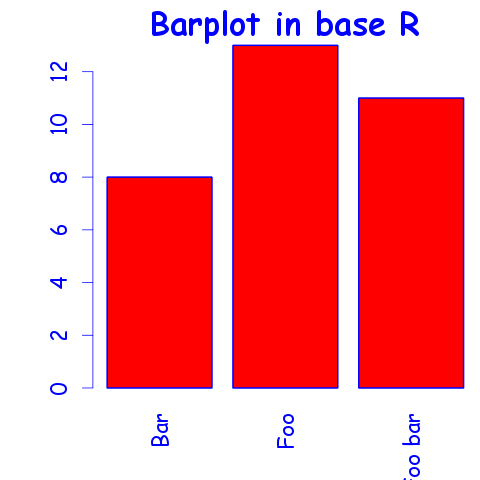
### Base R plot

[](plots/graphs-23-hires.png)

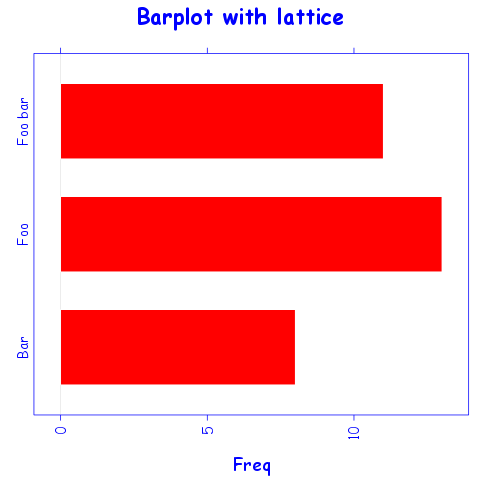
Yeah, the "Foo bar" label is cropped. We need a custom mar option here:

[](plots/graphs-24-hires.png)

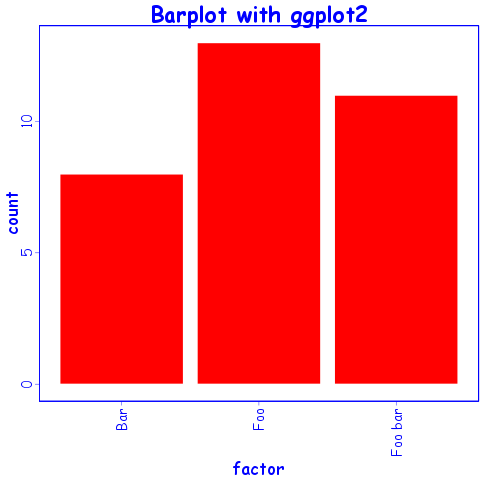
But wait, we lost the color! Right: unfortunately coloring base R plots is really hackish, pander is adding the col attribute to the calls. If you start to tweak par in a chunk, you should prepare to some unwanted side-effects. Solution:

[](plots/graphs-25-hires.png)

### lattice

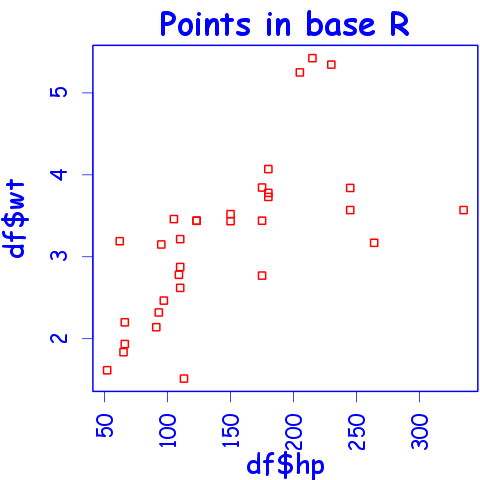
[](plots/graphs-26-hires.png)

### ggplot2

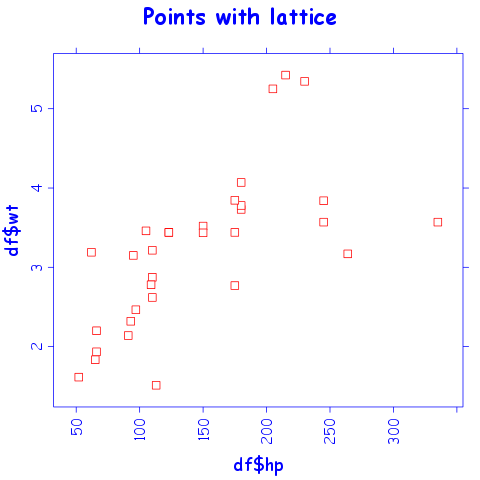
[](plots/graphs-27-hires.png)

## Points

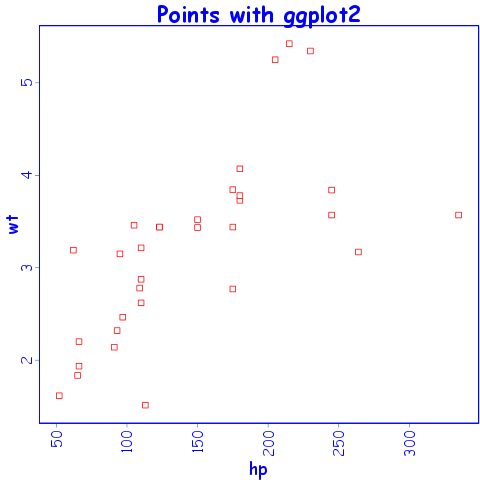
### Base R plot

[](plots/graphs-28-hires.png)

### lattice

[](plots/graphs-29-hires.png)

### ggplot2

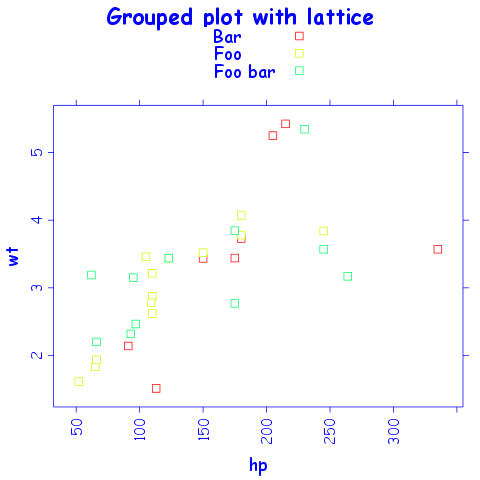
[](plots/graphs-30-hires.png)

## Grouped plot

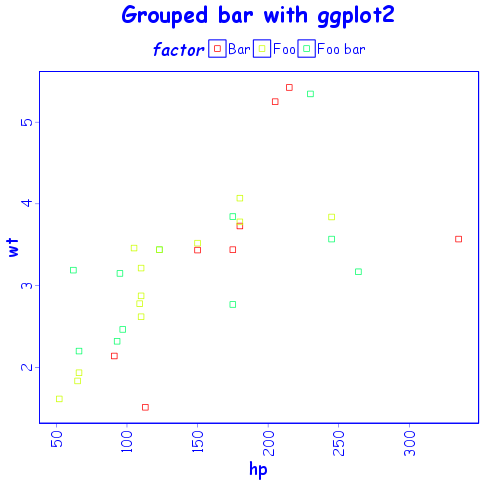
### Base R plot

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

### lattice

[](plots/graphs-31-hires.png)

### ggplot2

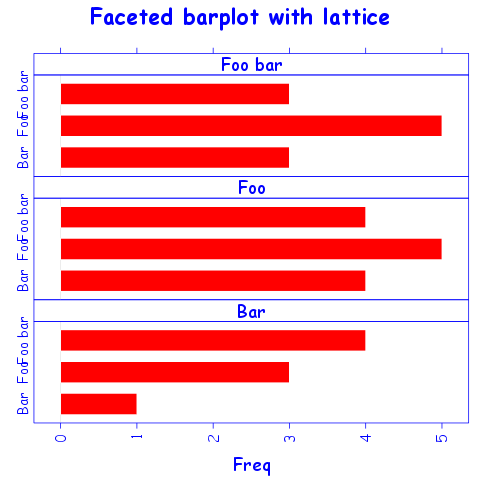
[](plots/graphs-32-hires.png)

## Facets

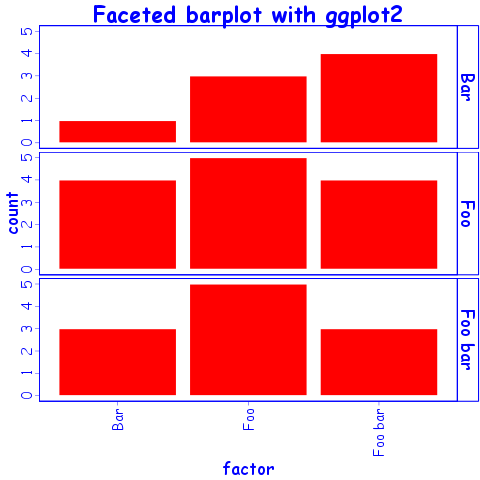
### Base R plot

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

### lattice

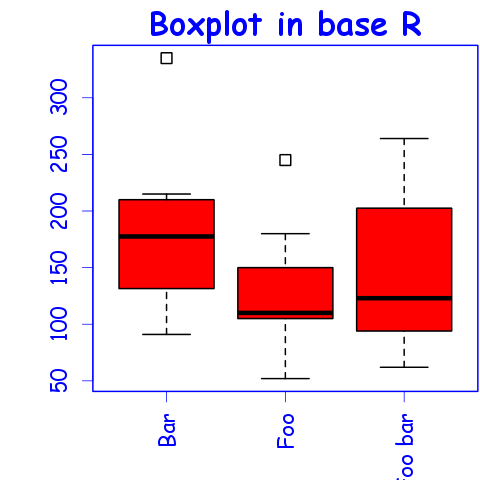
[](plots/graphs-33-hires.png)

### ggplot2

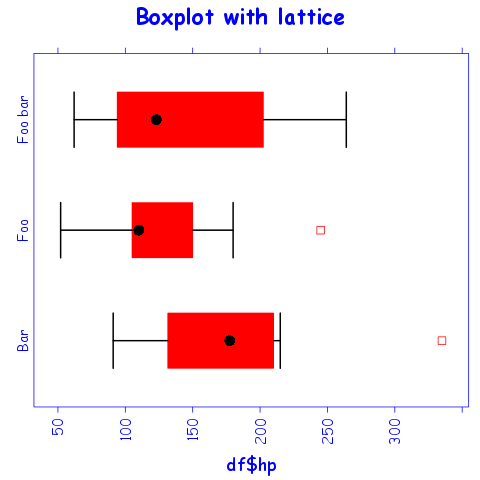
[](plots/graphs-34-hires.png)

## Boxplot

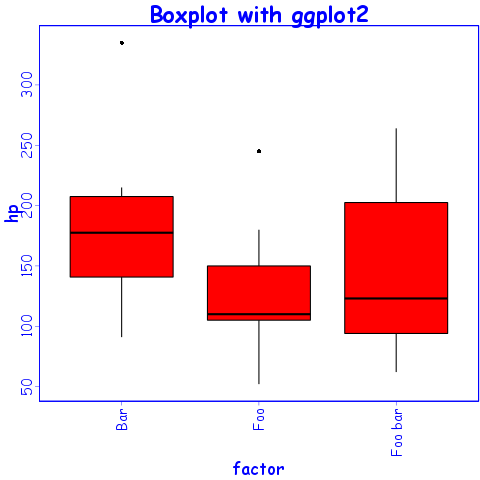
### Base R plot

[](plots/graphs-35-hires.png)

### lattice

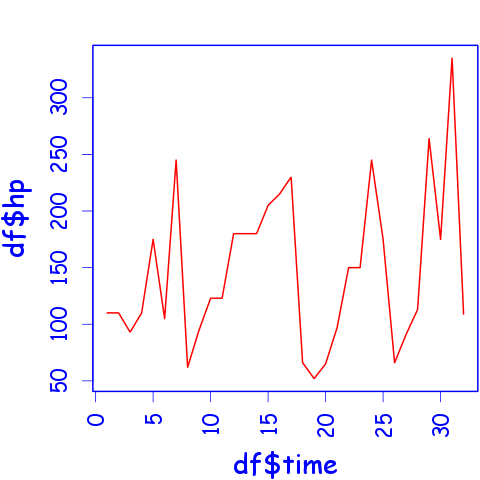
[](plots/graphs-36-hires.png)

### ggplot2

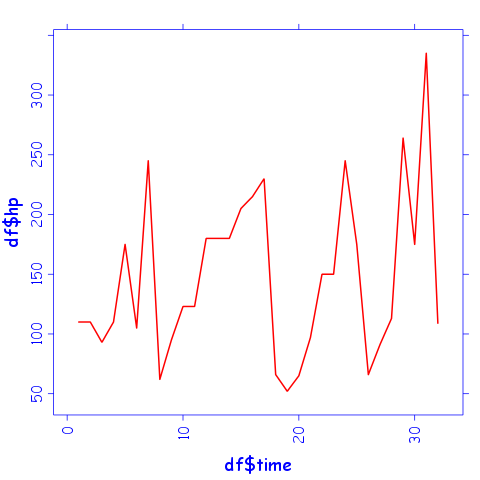
[](plots/graphs-37-hires.png)

## Lines

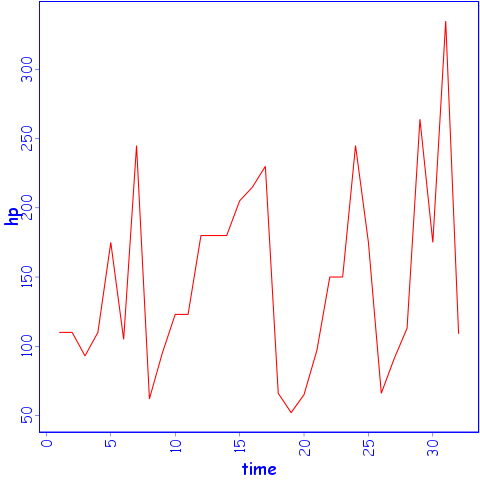
### Base R plot

[](plots/graphs-38-hires.png)

### lattice

[](plots/graphs-39-hires.png)

### ggplot2

[](plots/graphs-40-hires.png)

This report was generated with [R](http://www.r-project.org/) (2.15.1) and [pander](https://github.com/daroczig/pander) (0.1) in 14.144 sec on x86\_64-unknown-linux-gnu platform.