

Gergely Daróczi

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`
- `graph.grid.color`
- `graph.grid.lty`
- `graph.bboxes`
- `graph.legend.position`
- `graph.background`
- `graph.panel.background`
- `graph.colors`
- `graph.color.rnd`

- `graph.axis.angle`
- `graph.symbol`

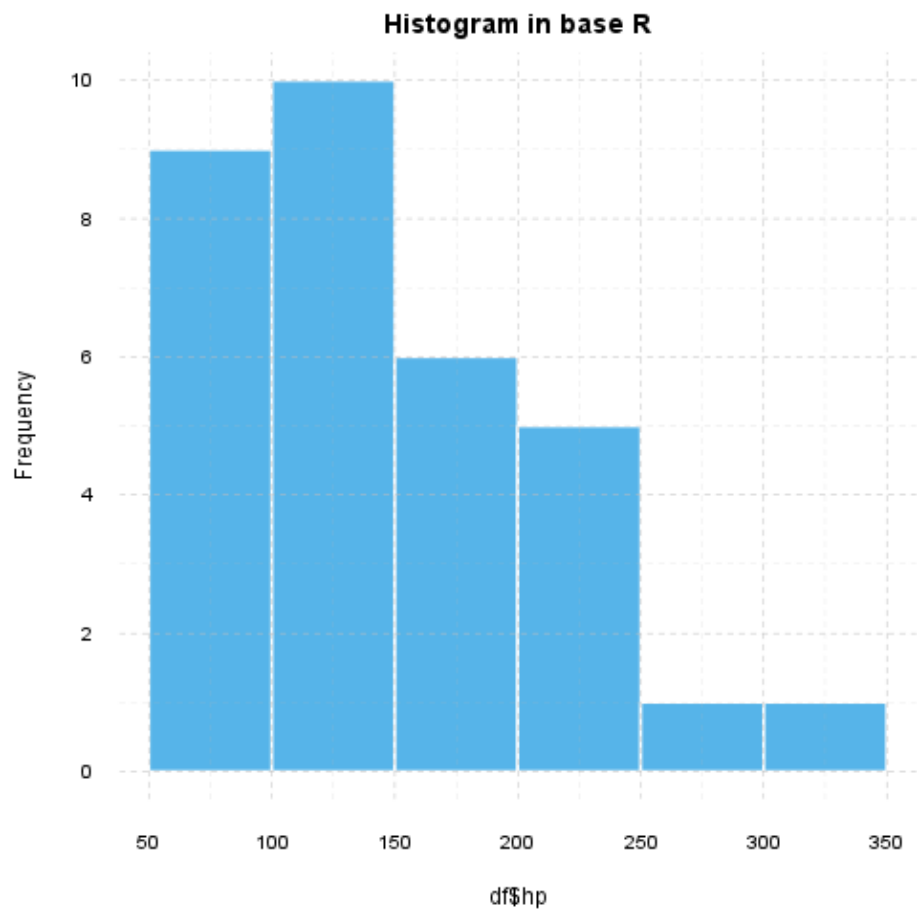
Find more details on [pander's homepage](#).

Default options

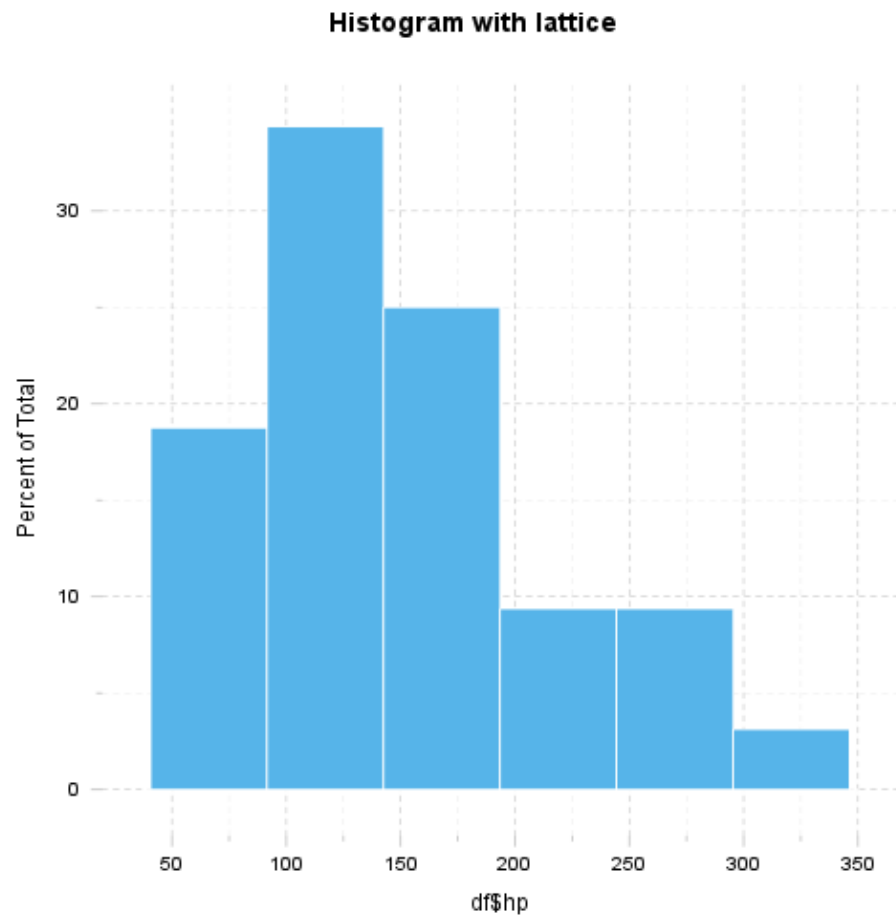
Not touching the above ones, let us check out how different plots look like by calling base R graphing function, `lattice` or `ggplot2`!

Histogram

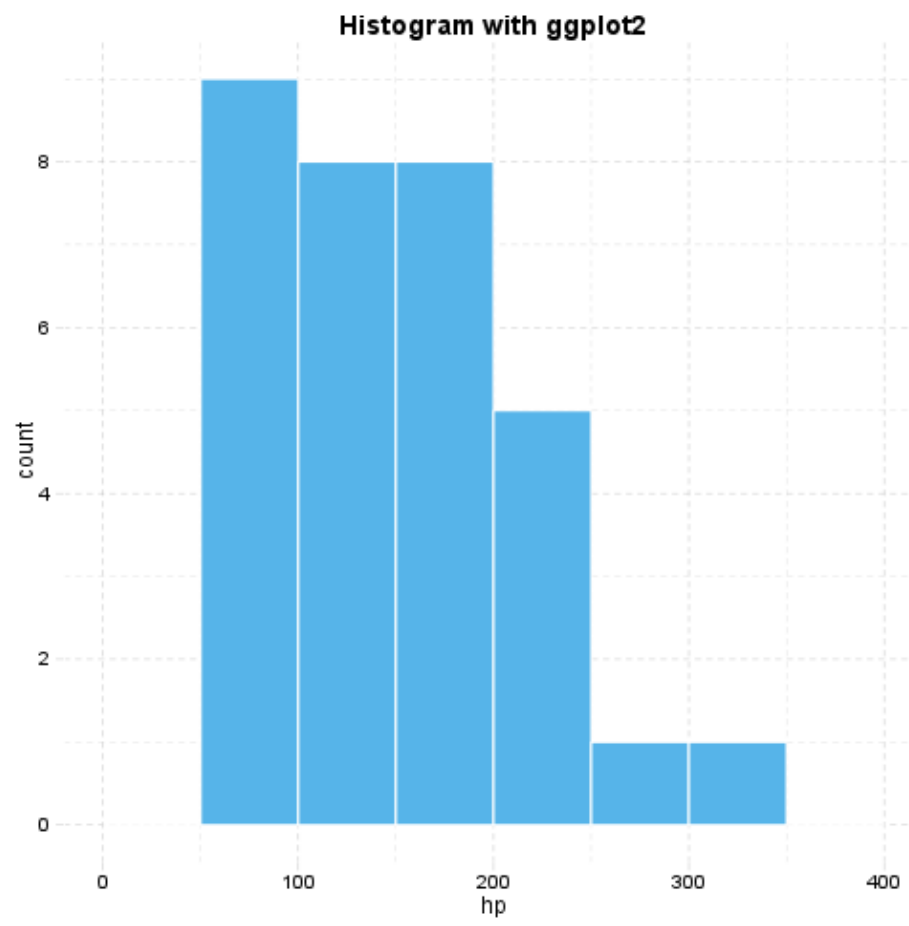
Base R plot



lattice

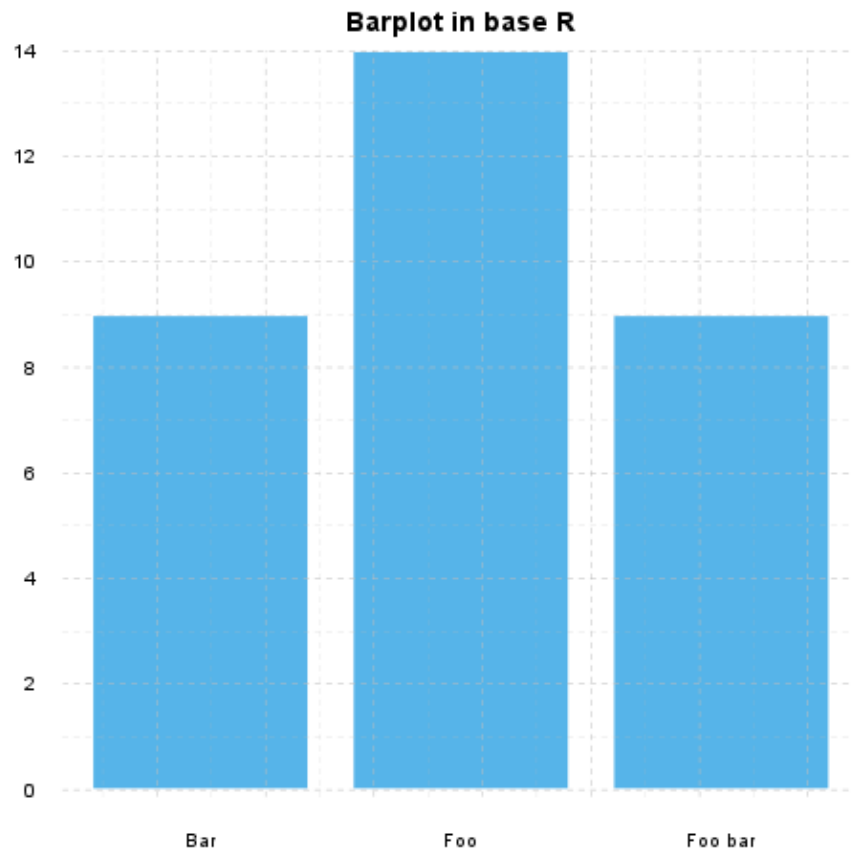


ggplot2

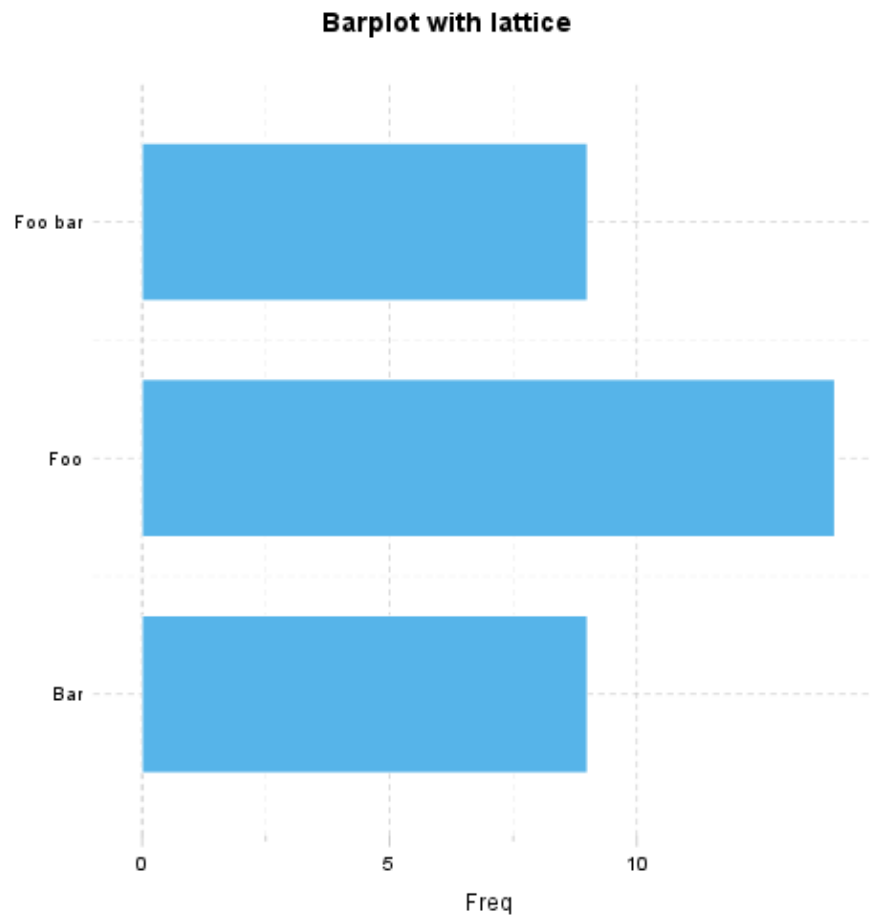


Barplot

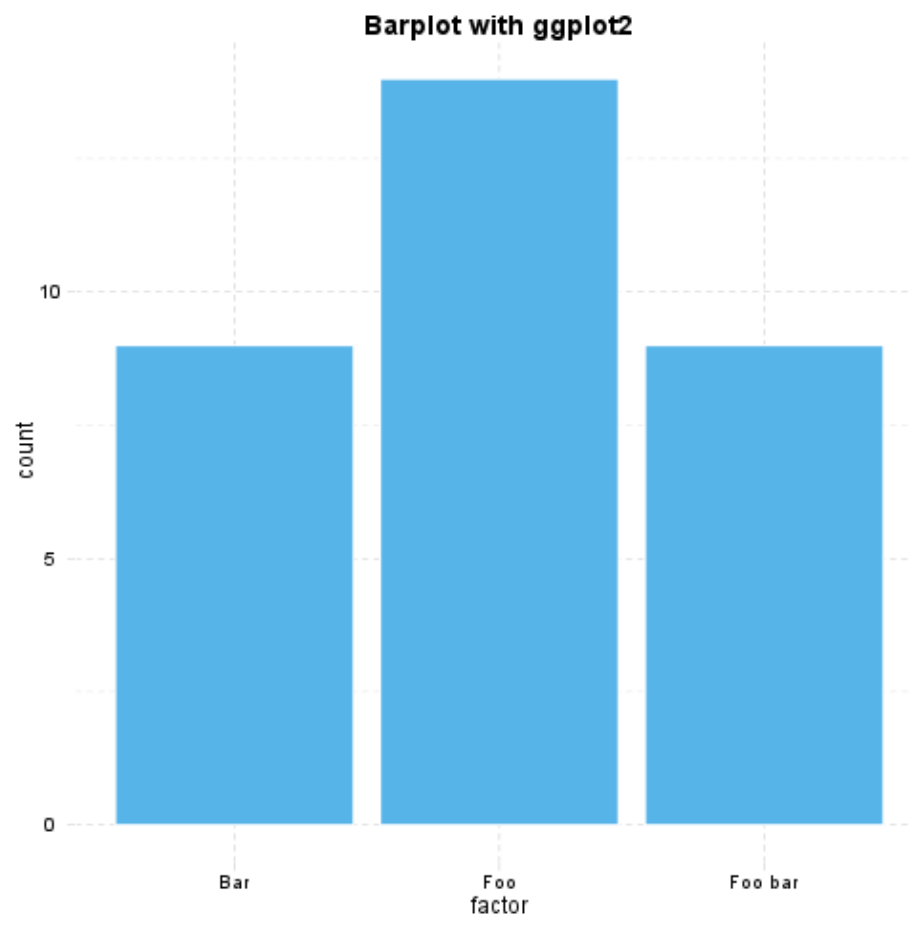
Base R plot



lattice

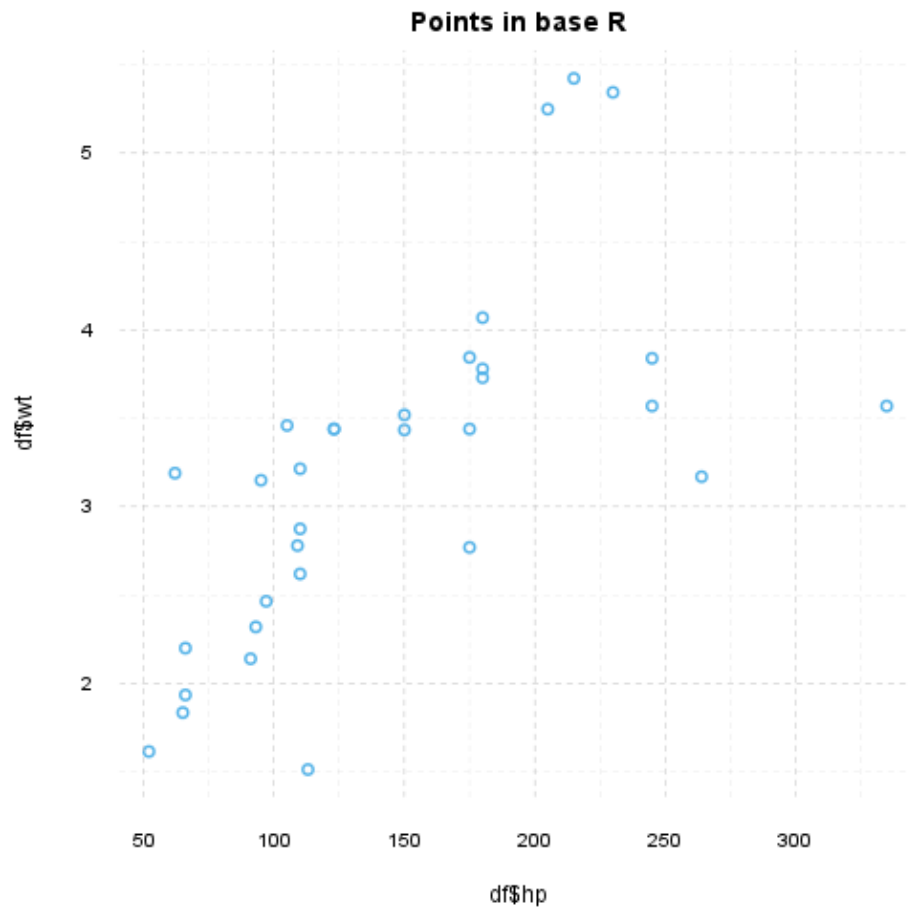


ggplot2

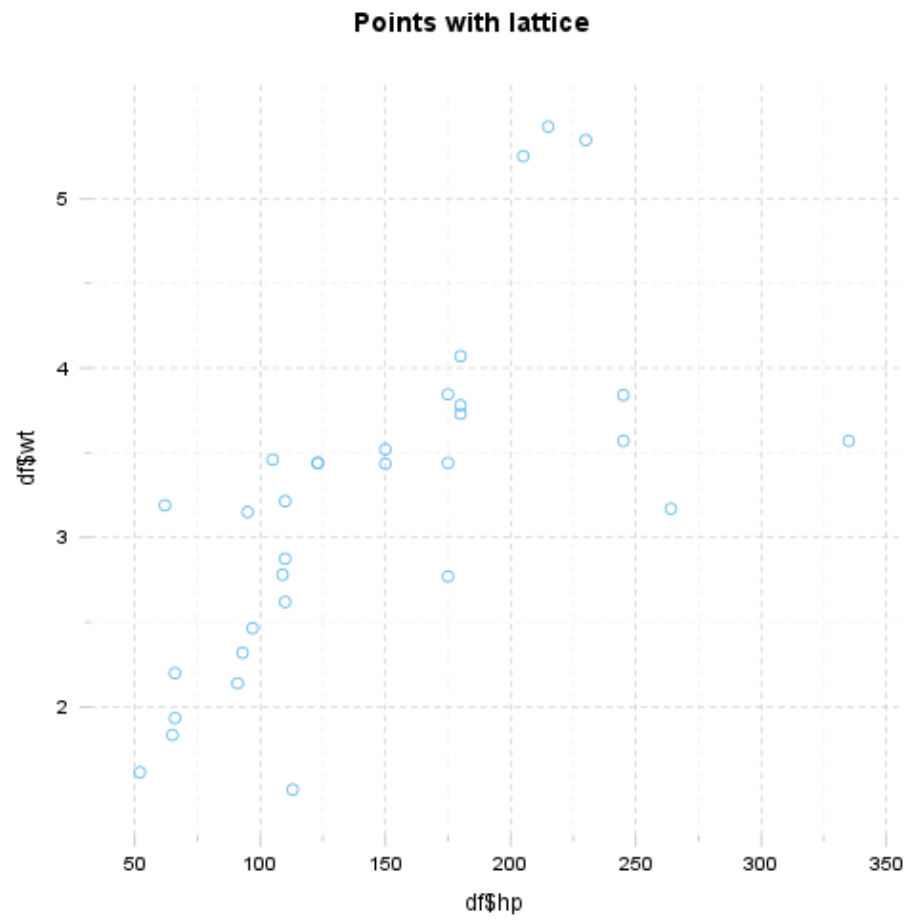


Points

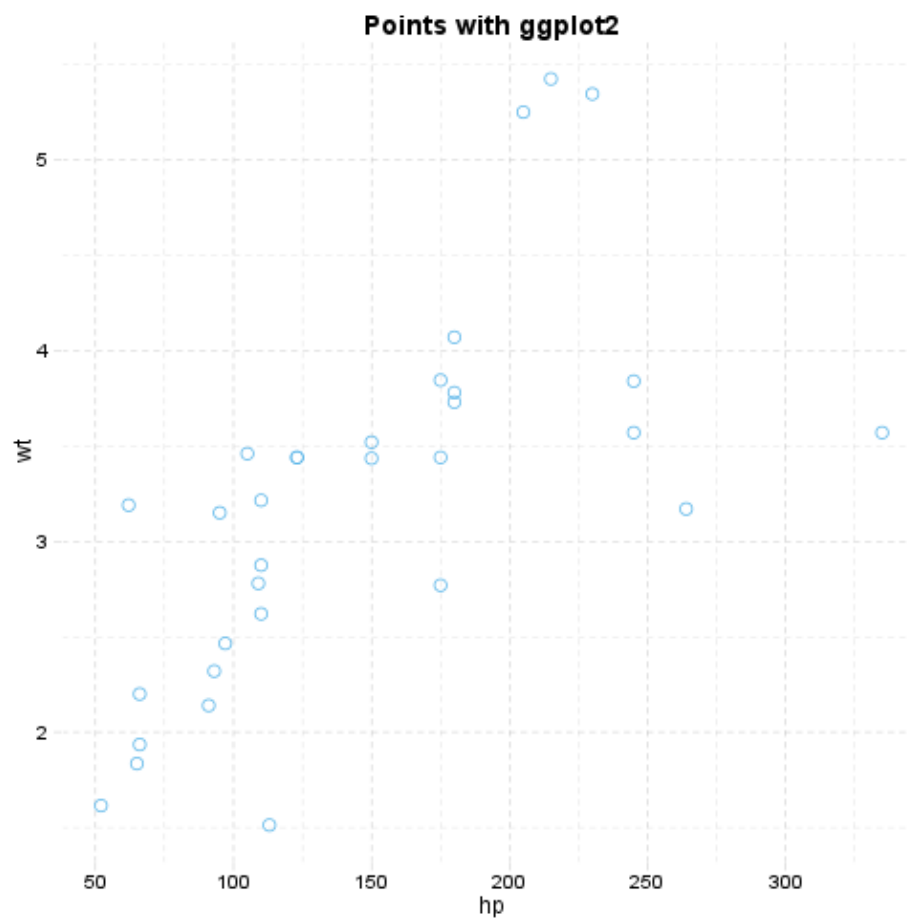
Base R plot



lattice



ggplot2

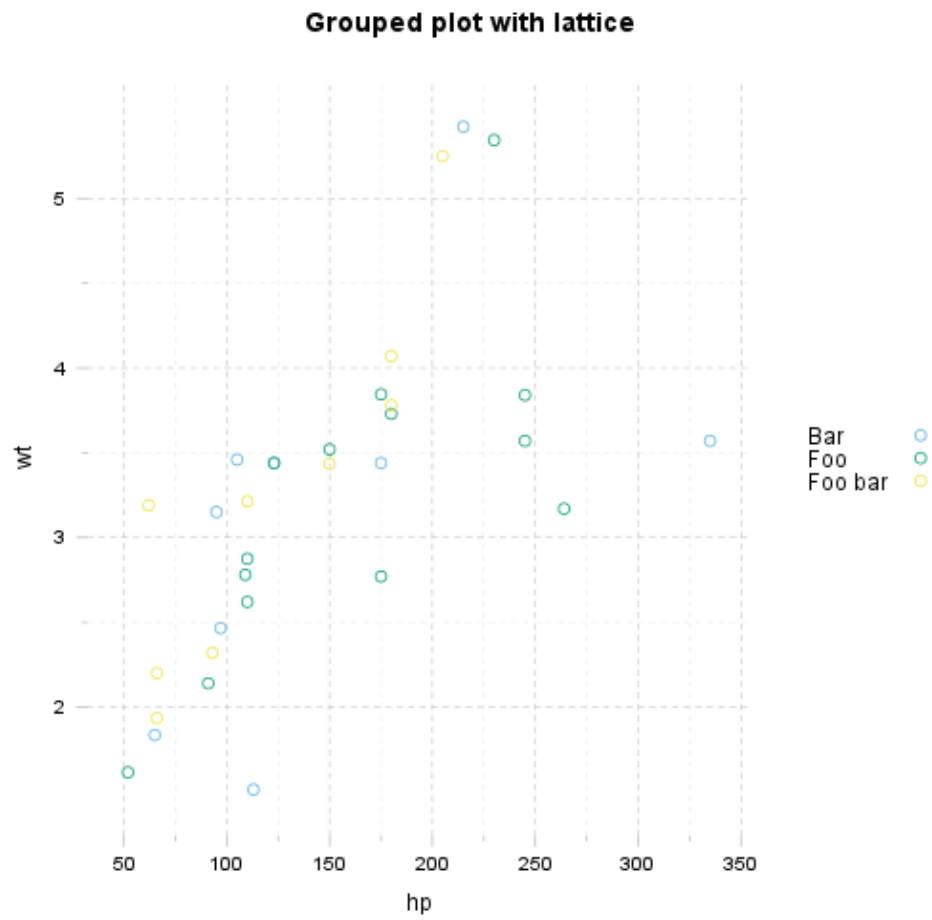


Grouped plot

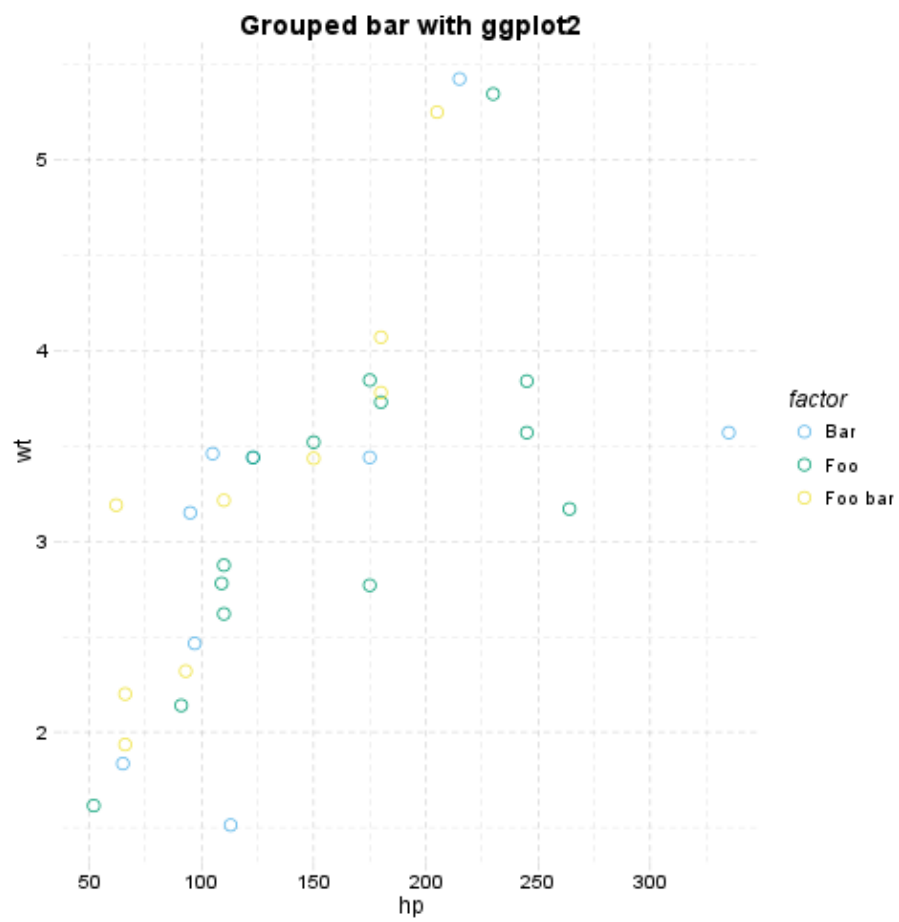
Base R plot

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

lattice



ggplot2

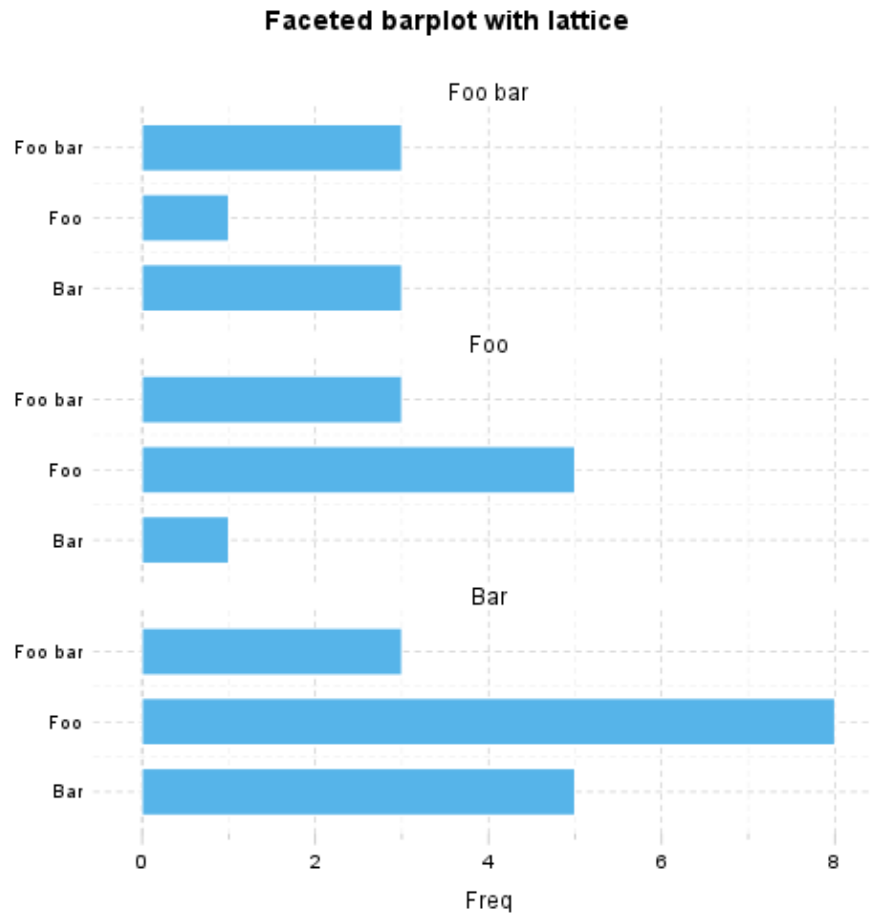


Facets

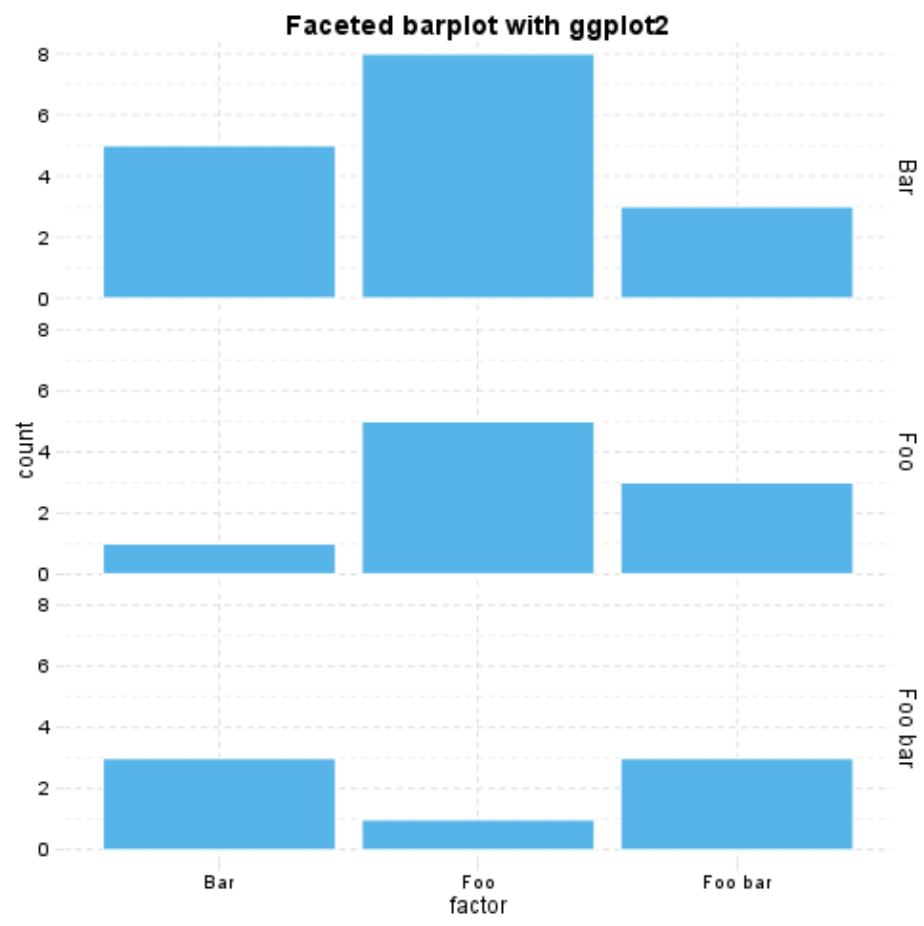
Base R plot

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

lattice

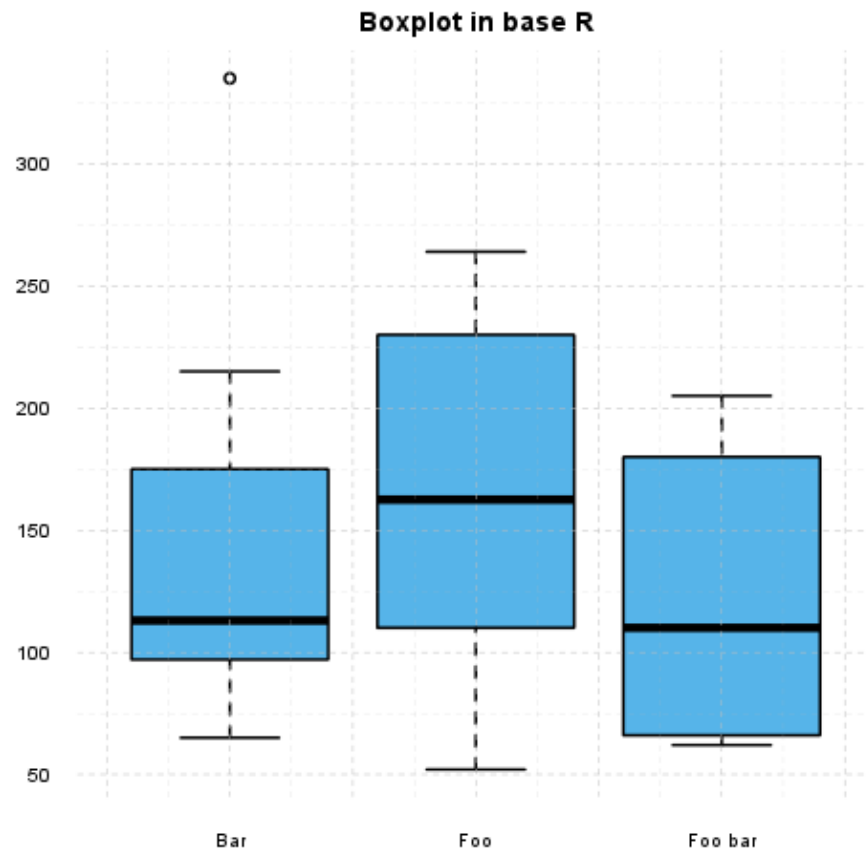


ggplot2

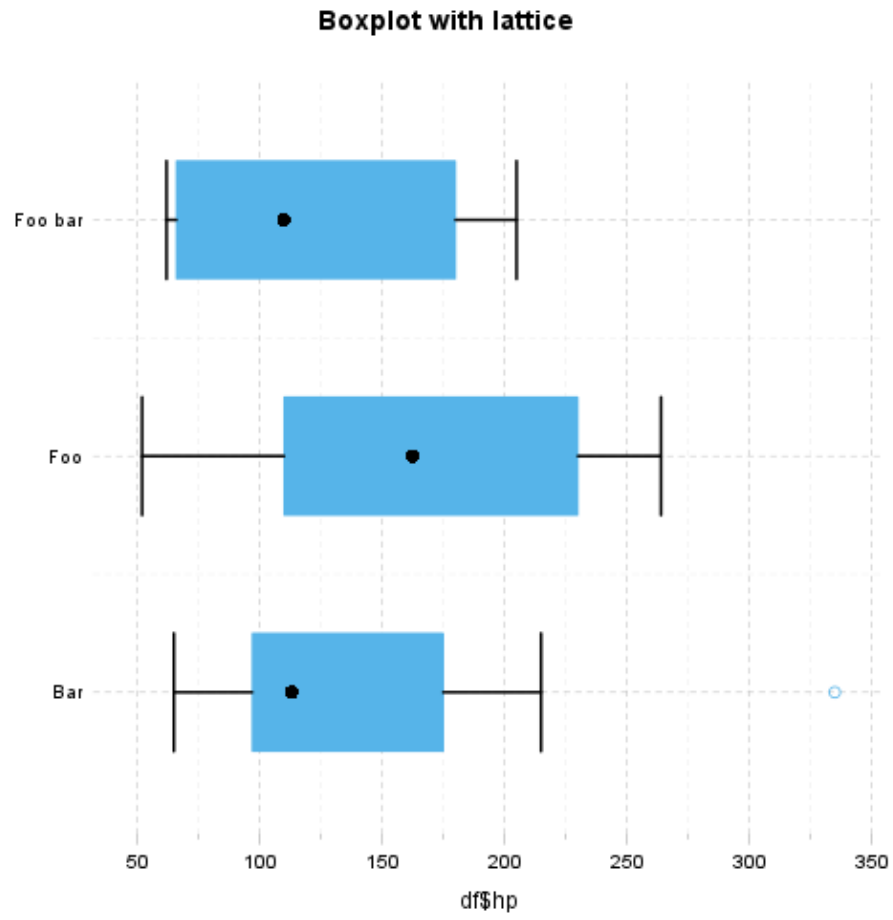


Boxplot

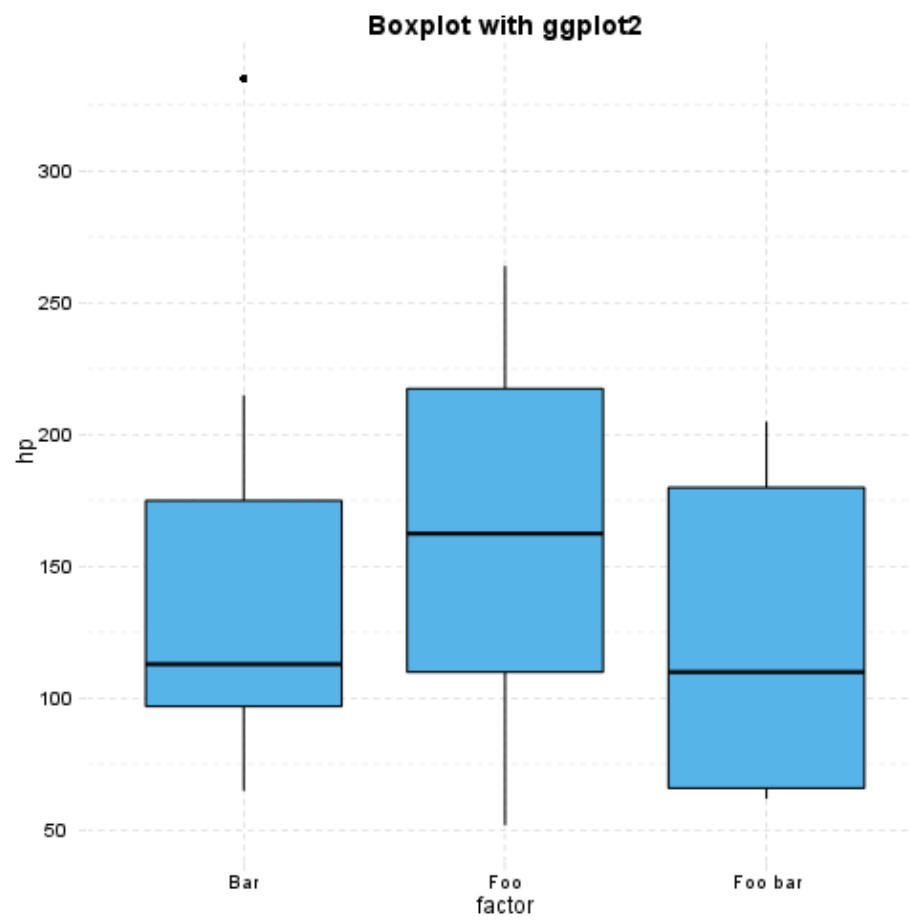
Base R plot



lattice

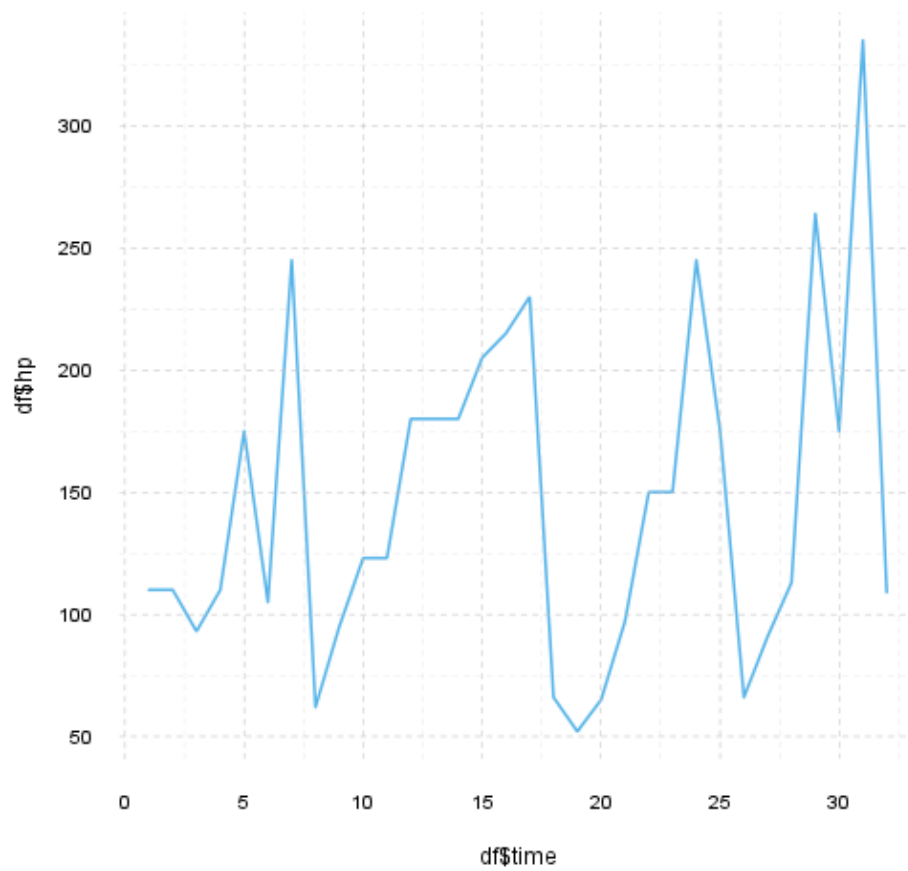


ggplot2

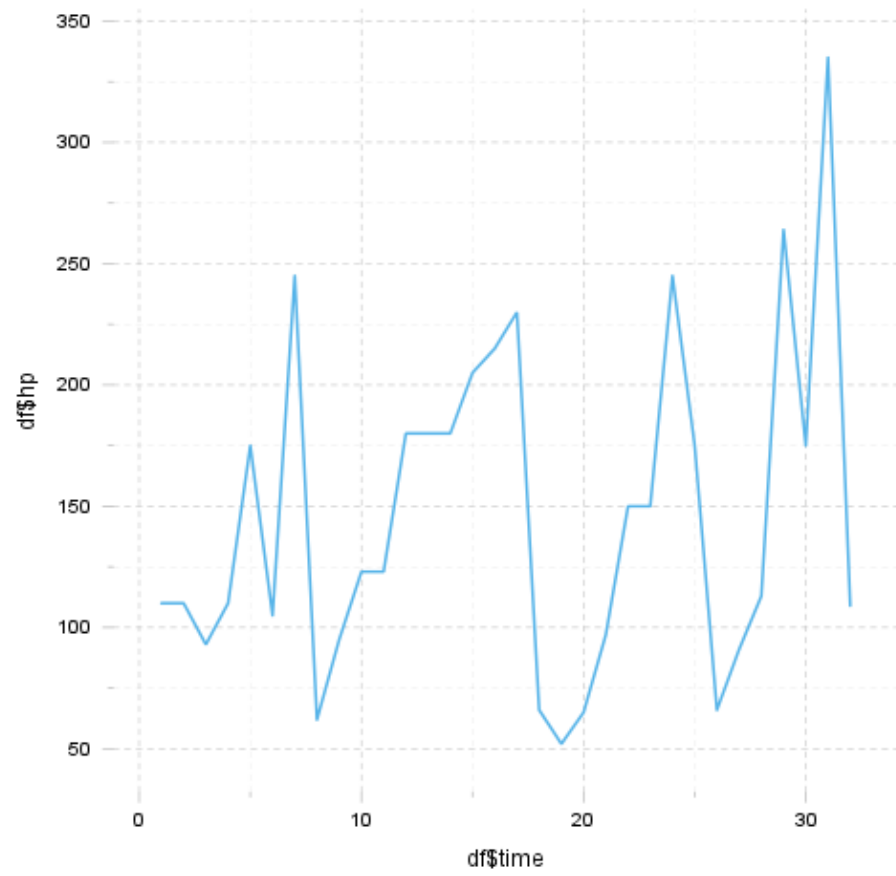


Lines

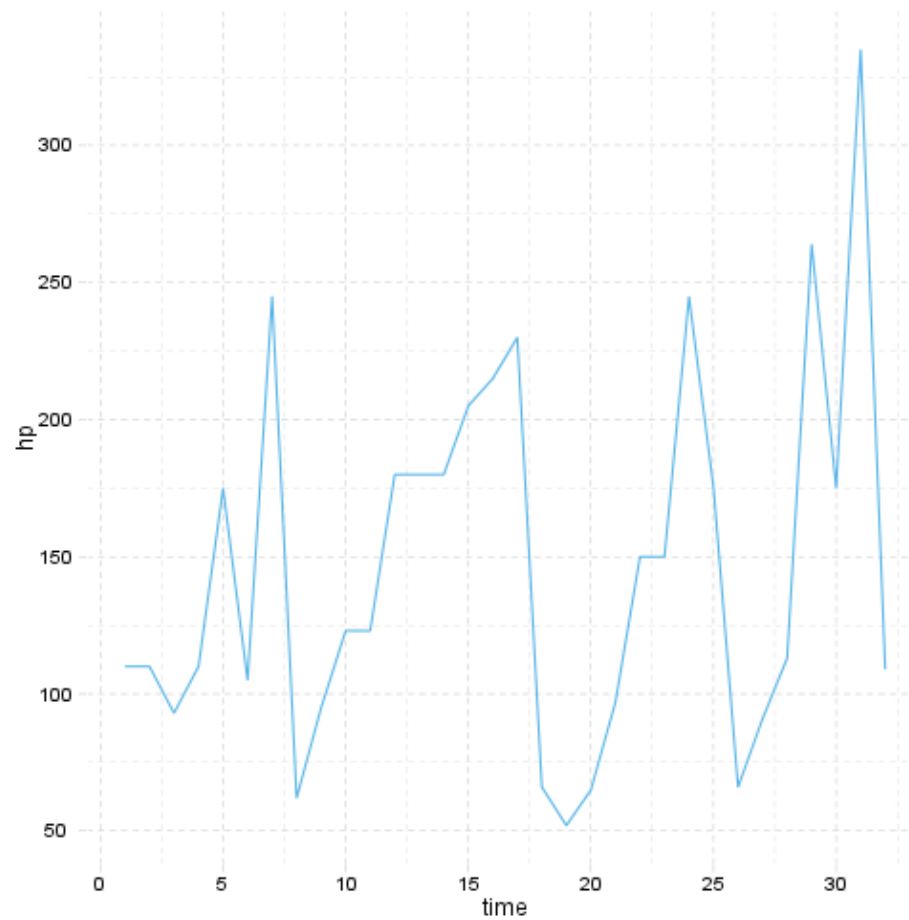
Base R plot



lattice



ggplot2



Custom options

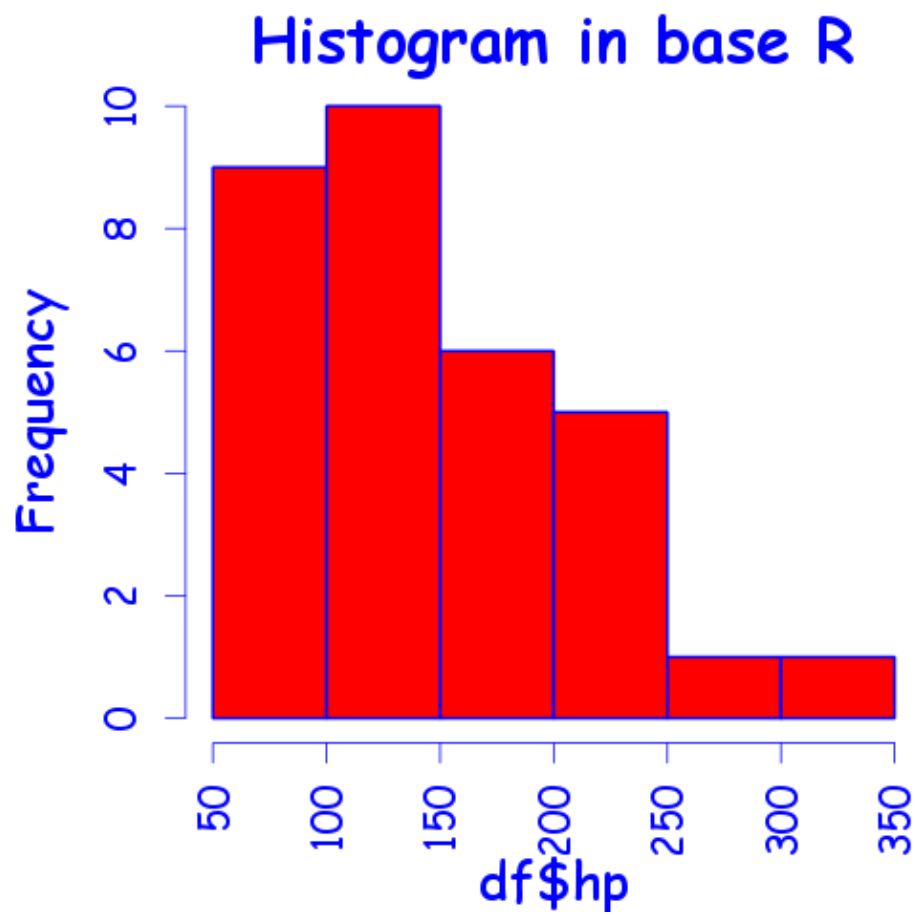
Below you can find some images generated by the exact same commands but with some modified `panderOptions`:

```
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.bboxes', T)
panderOptions('graph.legend.position', 'top')
```

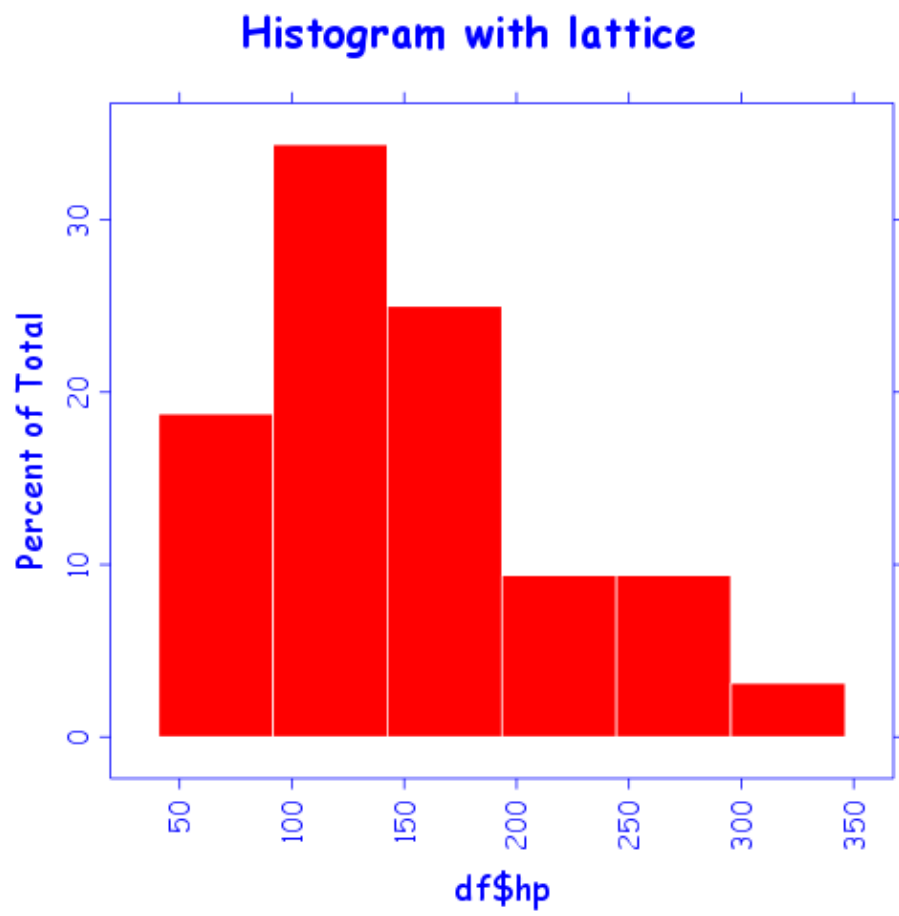
```
panderOptions('graph.colors', rainbow(5))  
panderOptions('graph.grid', FALSE)  
panderOptions('graph.symbol', 22)
```

Histogram

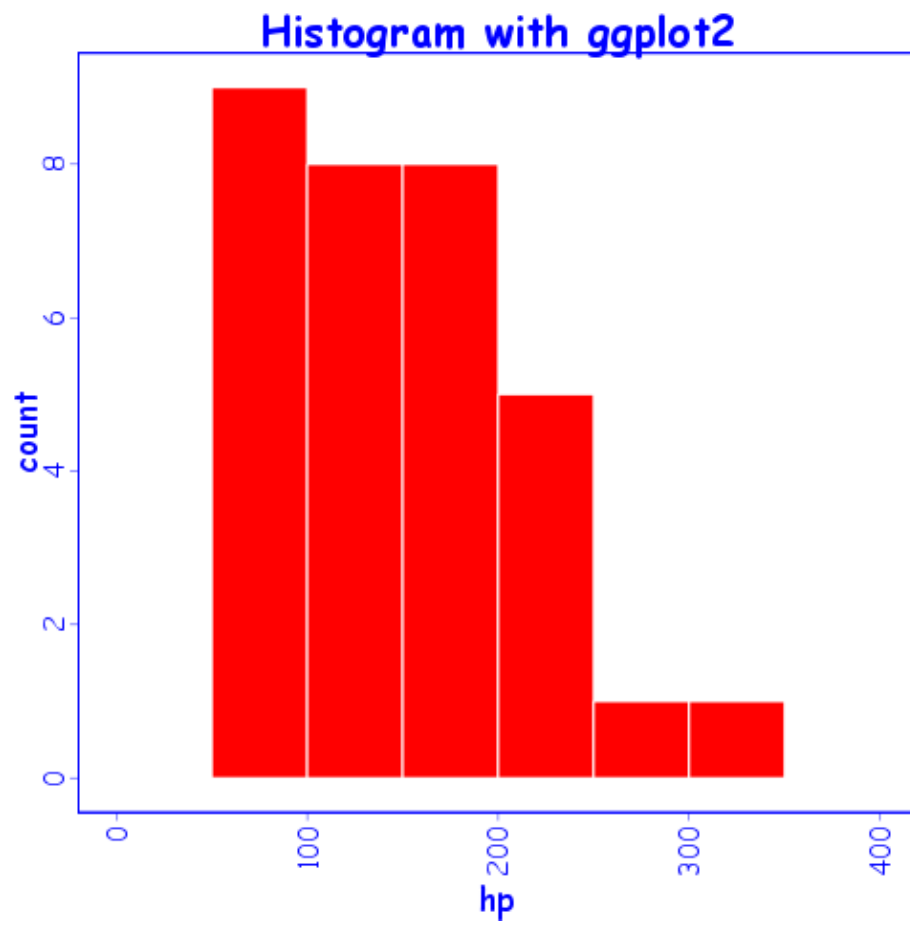
Base R plot



lattice

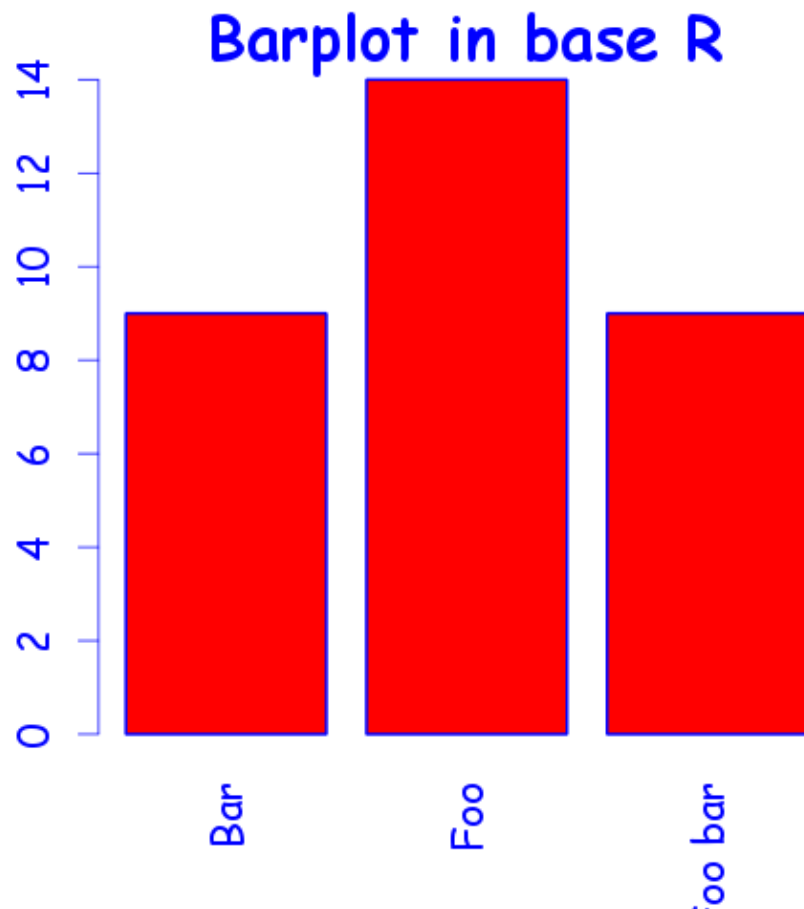


ggplot2

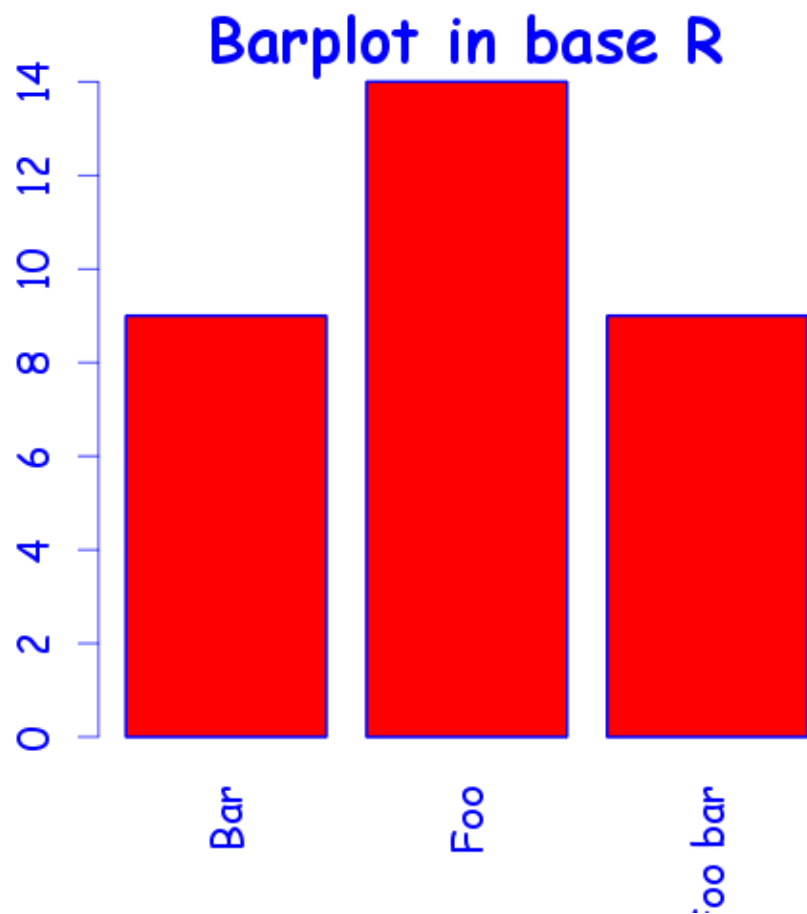


Barplot

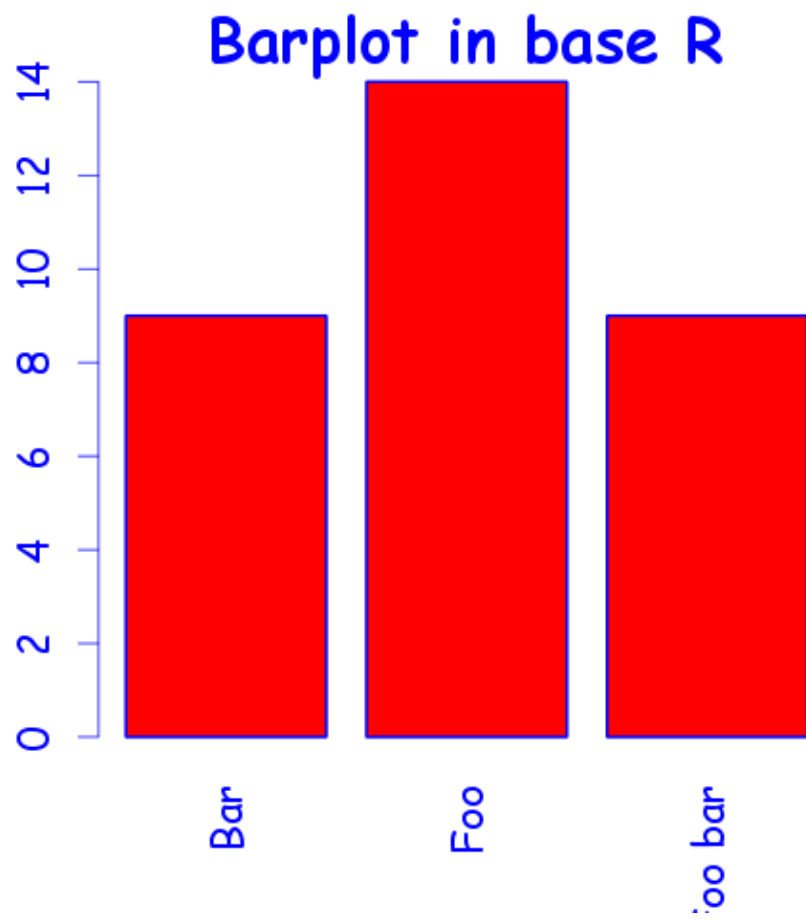
Base R plot



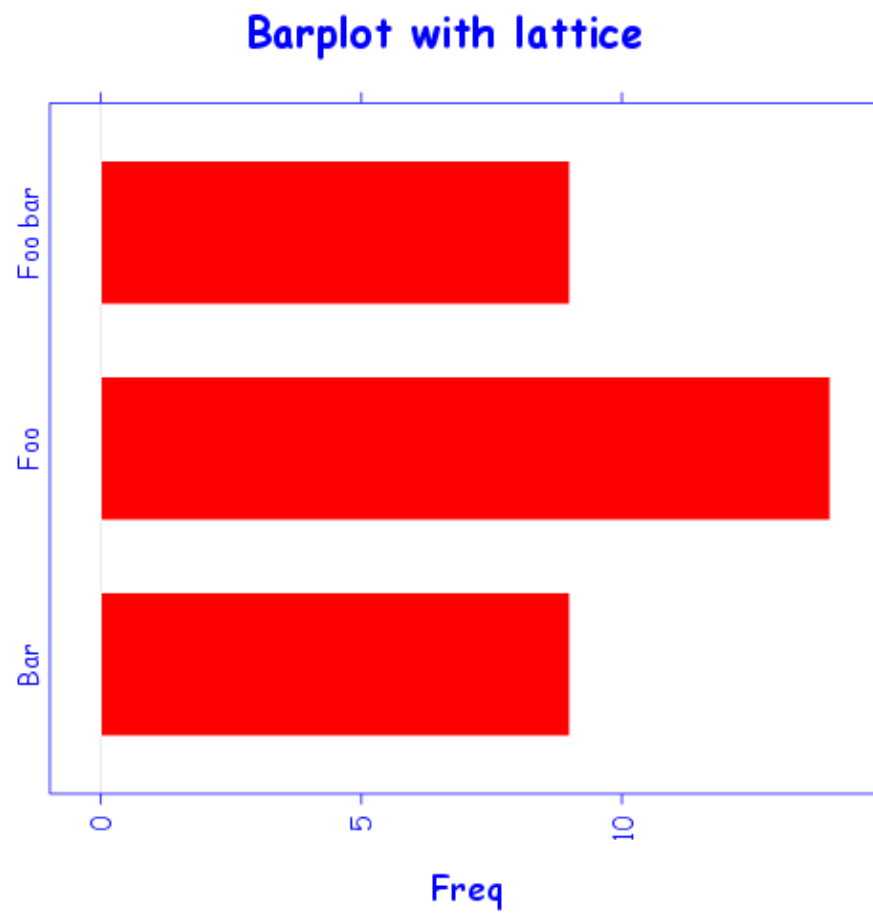
Yeah, the “Foo bar” label is cropped. We need a custom `mar` option here:



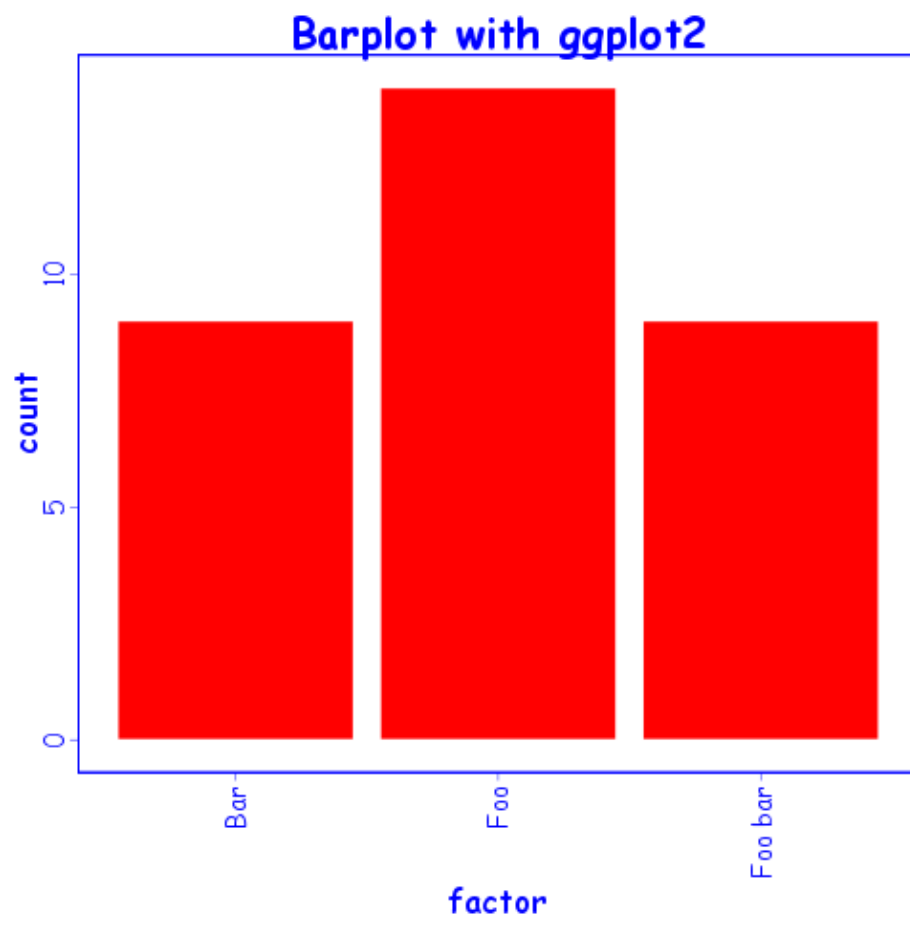
But wait, we lost the color! Right: unfortunately coloring base R plots is really hackish, **pander** is adding the `col` attribute to the calls. If you start to tweak **par** in a chunk, you should prepare to some unwanted side-effects. Solution:



lattice

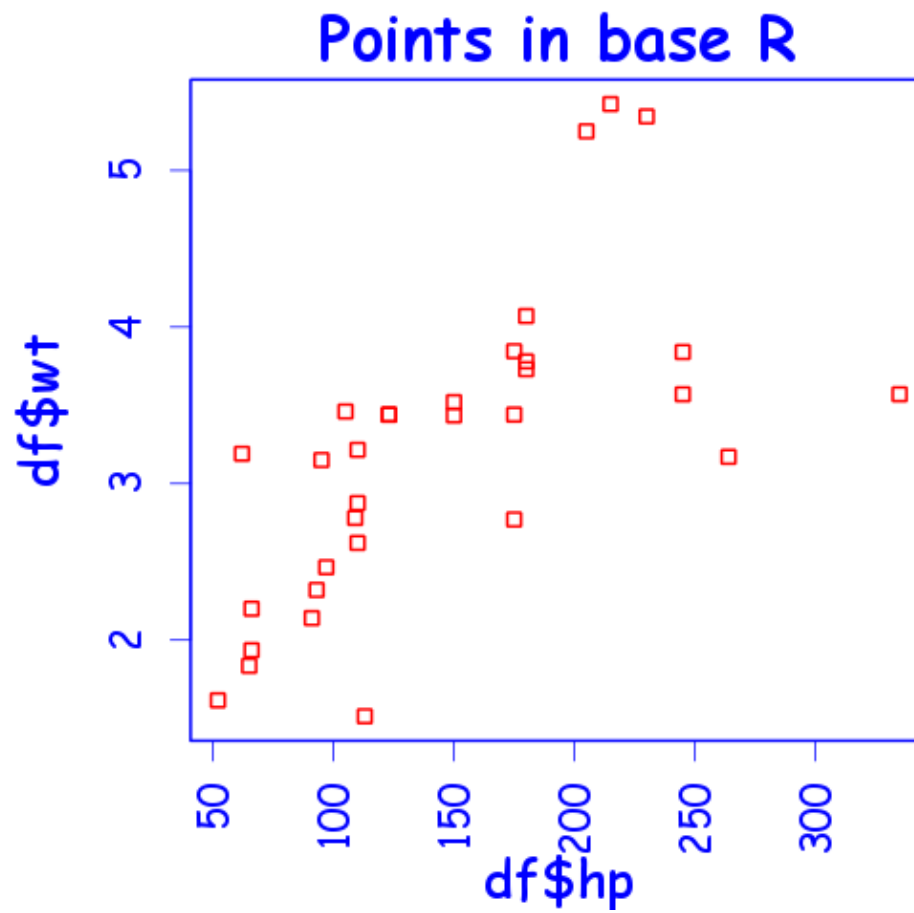


ggplot2

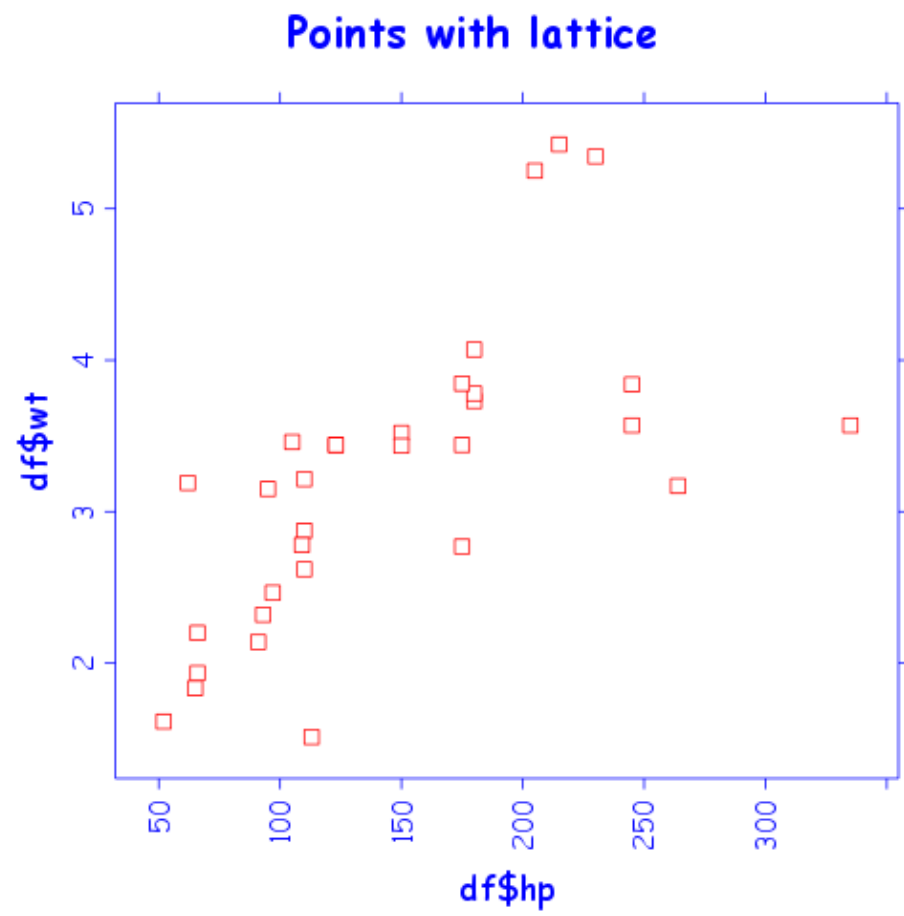


Points

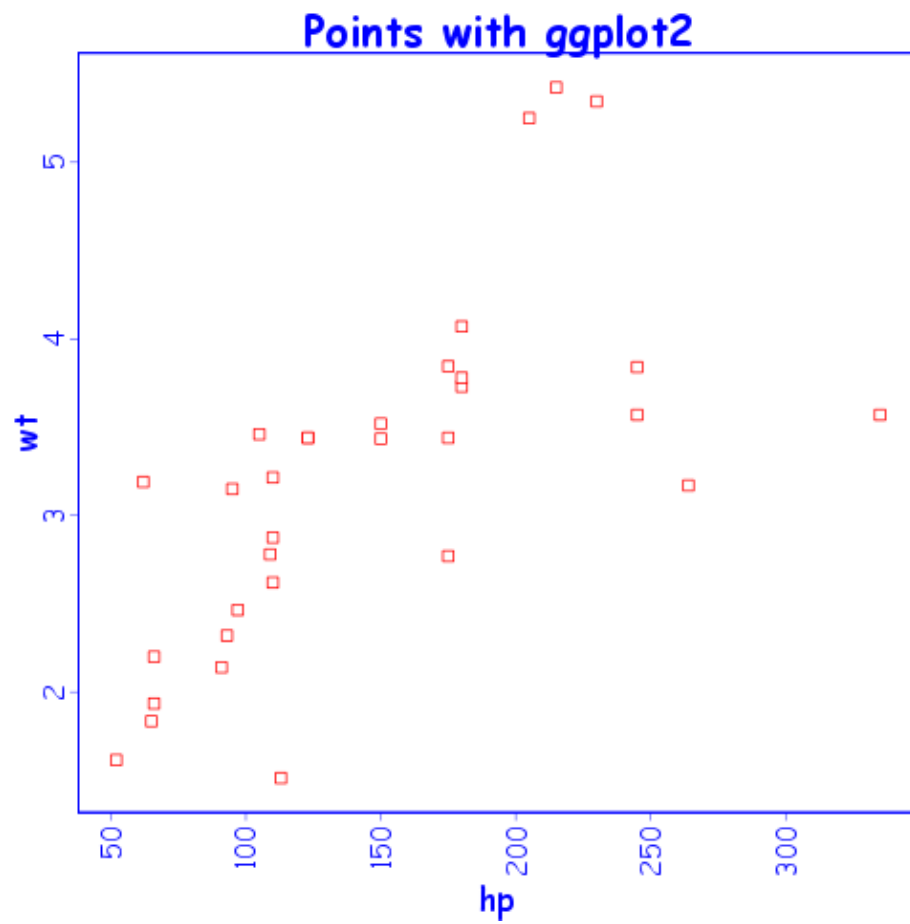
Base R plot



lattice



ggplot2

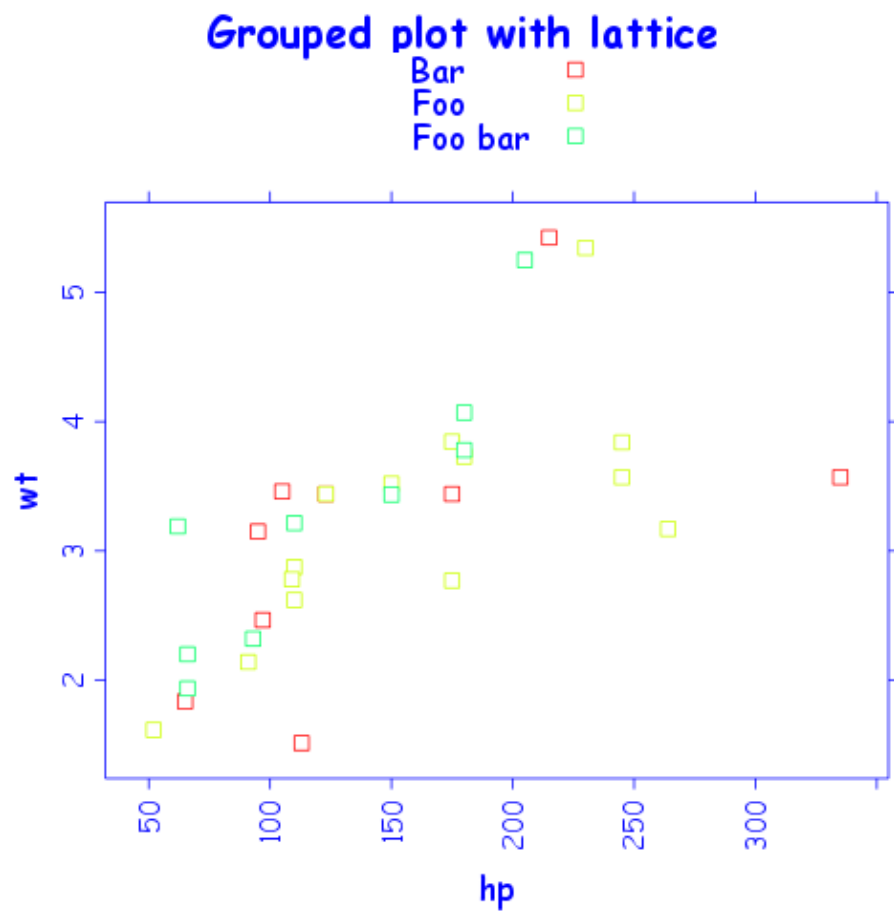


Grouped plot

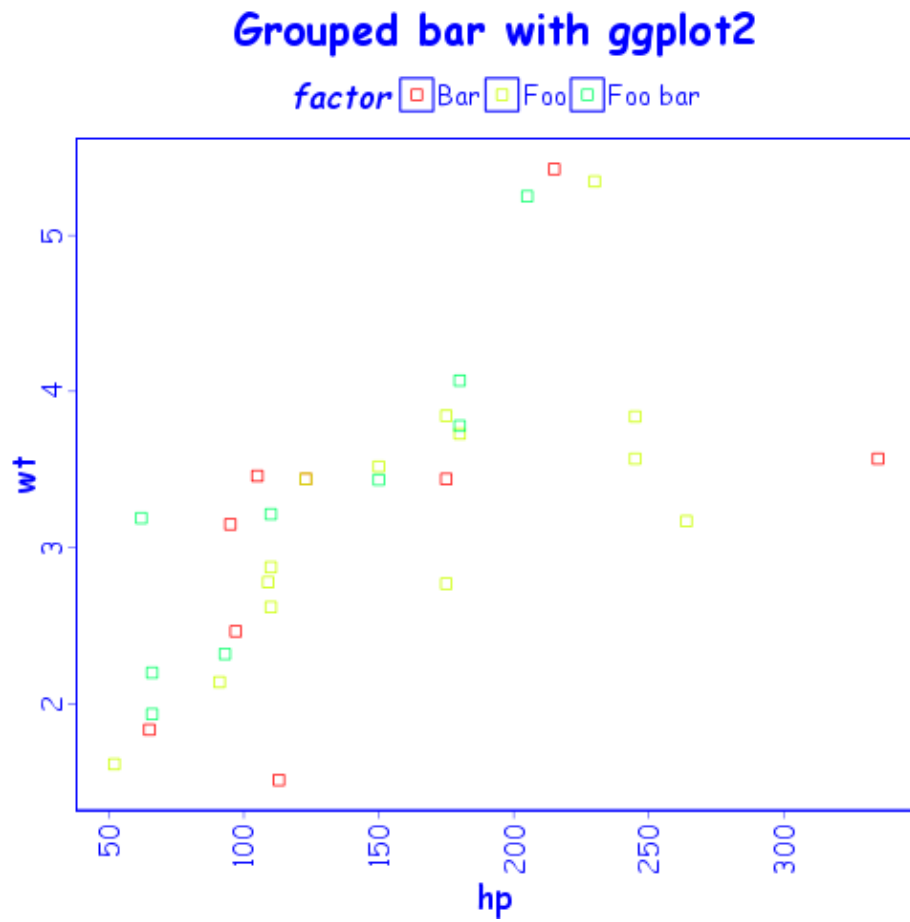
Base R plot

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

lattice



ggplot2



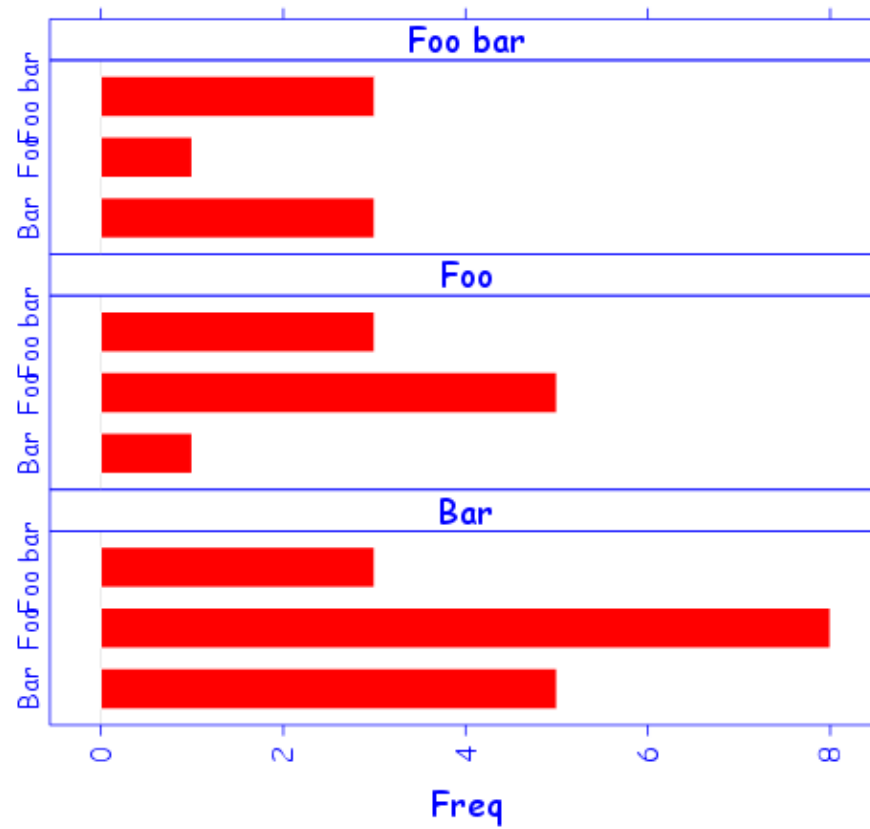
Facets

Base R plot

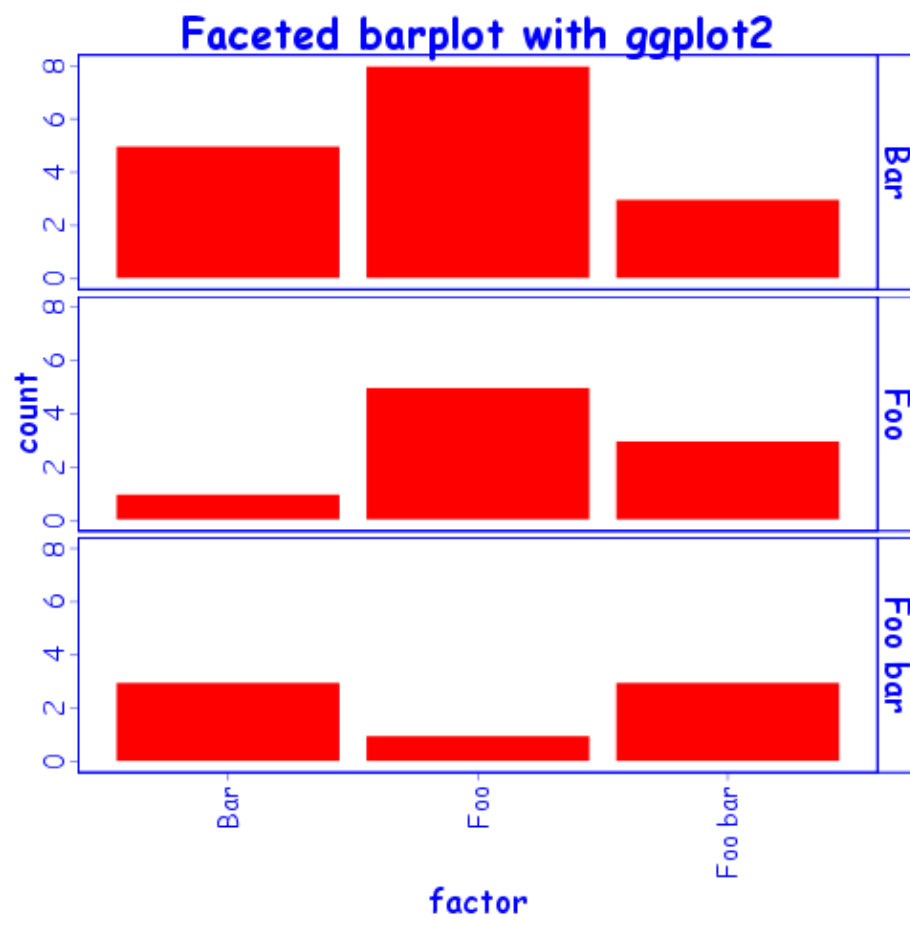
I have no idea how to do that besides `par(mfrow=c(foo, bar))`.

lattice

Faceted barplot with lattice

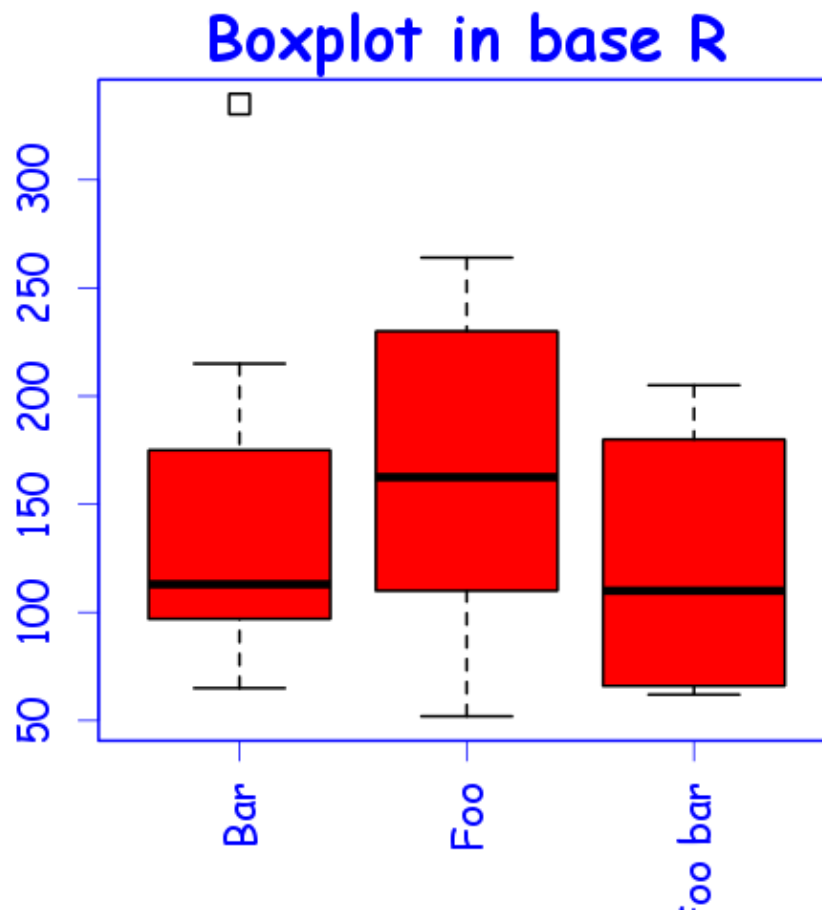


ggplot2

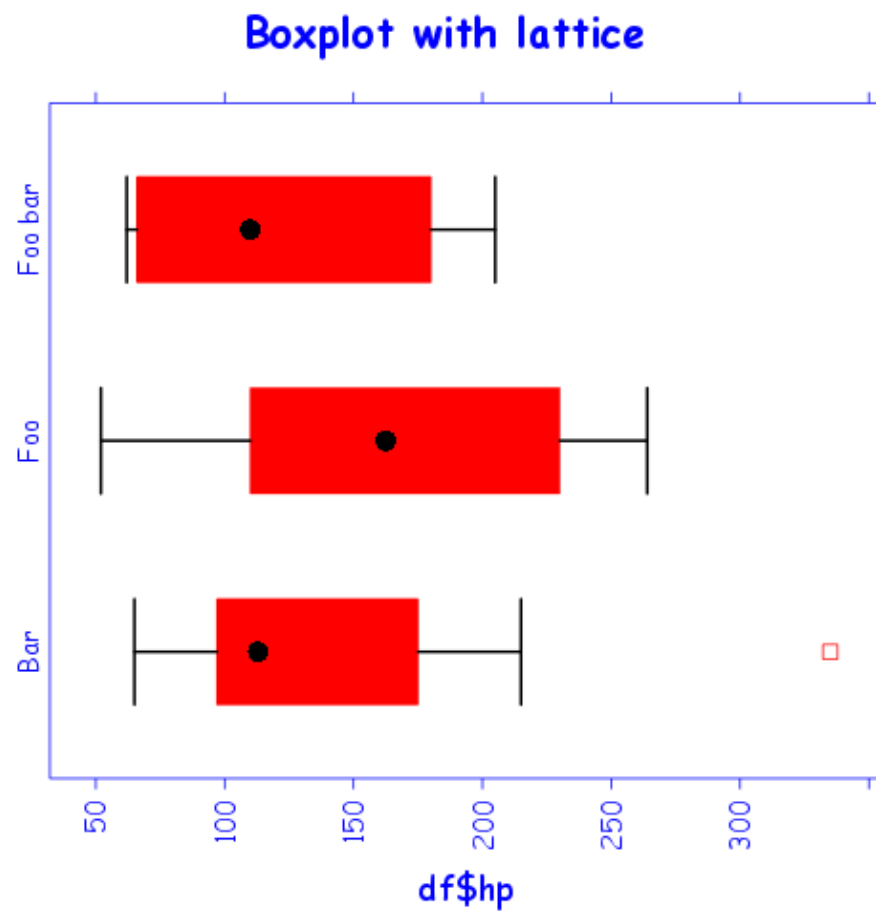


Boxplot

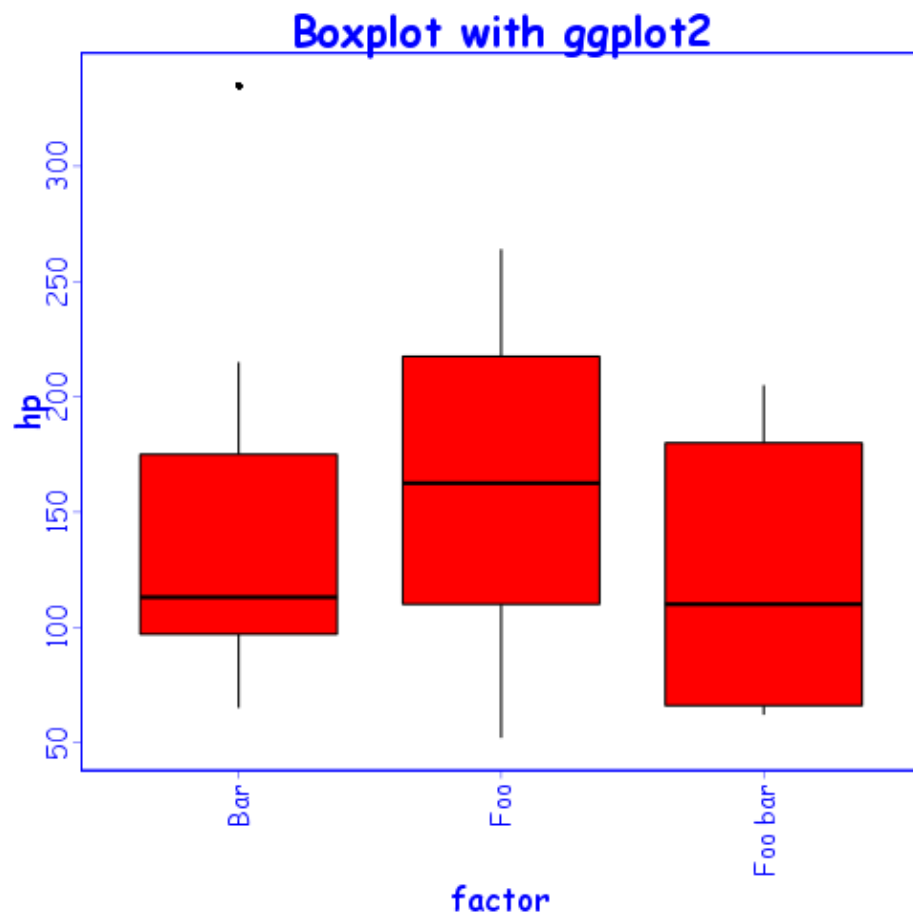
Base R plot



lattice

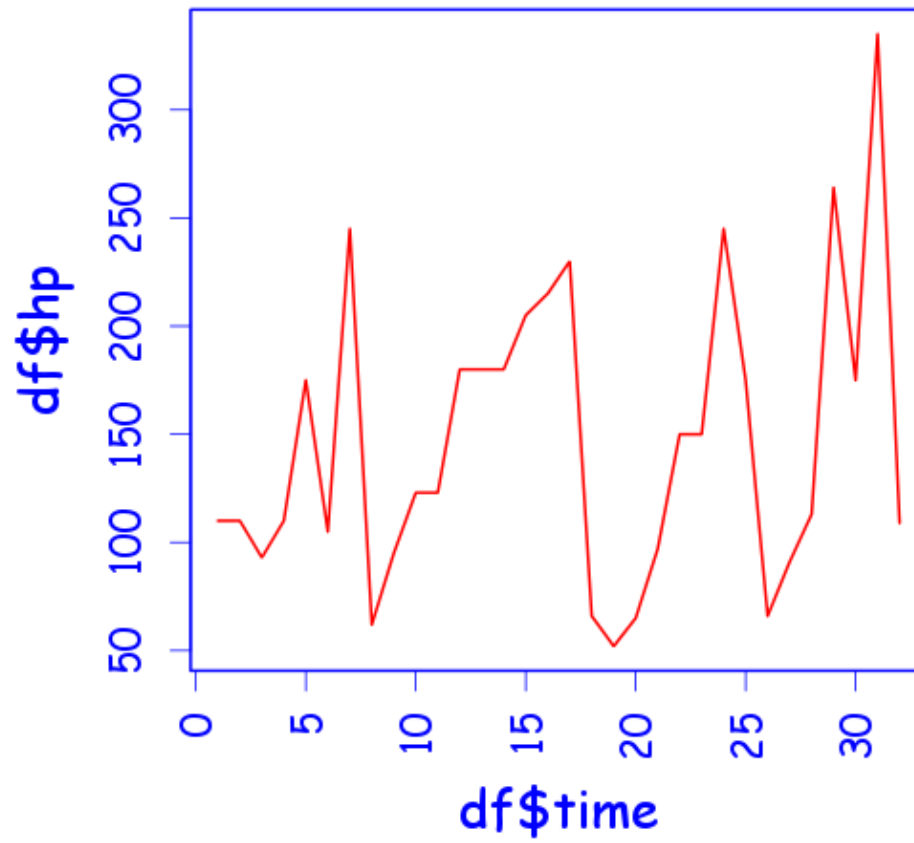


ggplot2

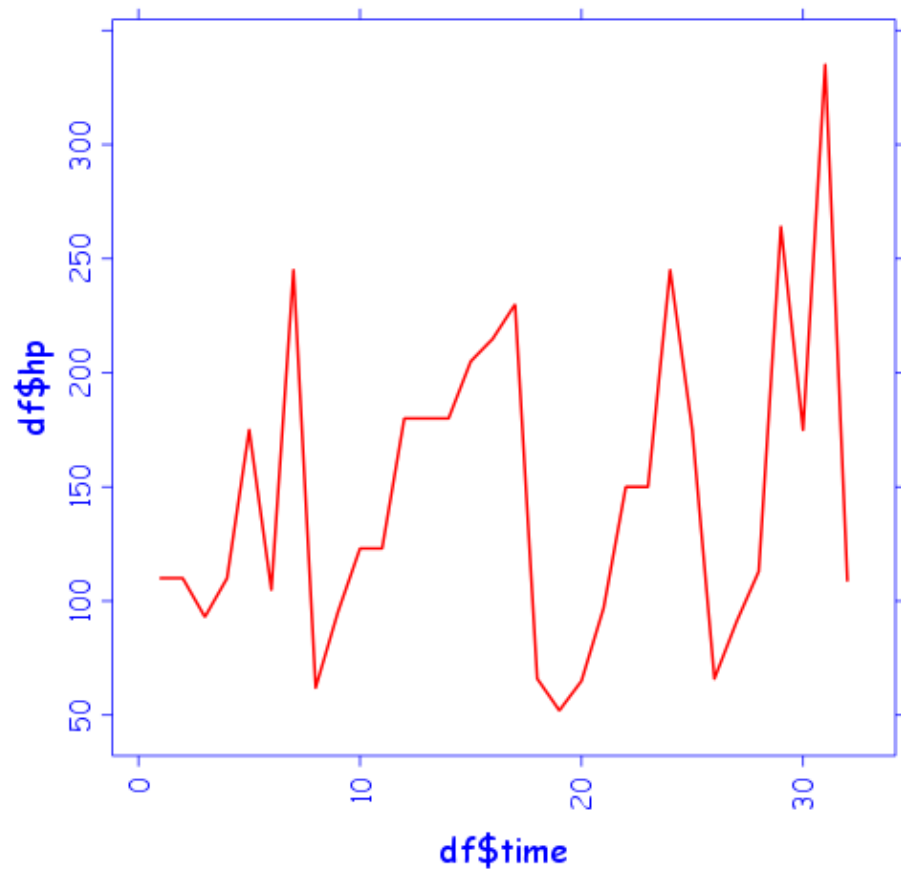


Lines

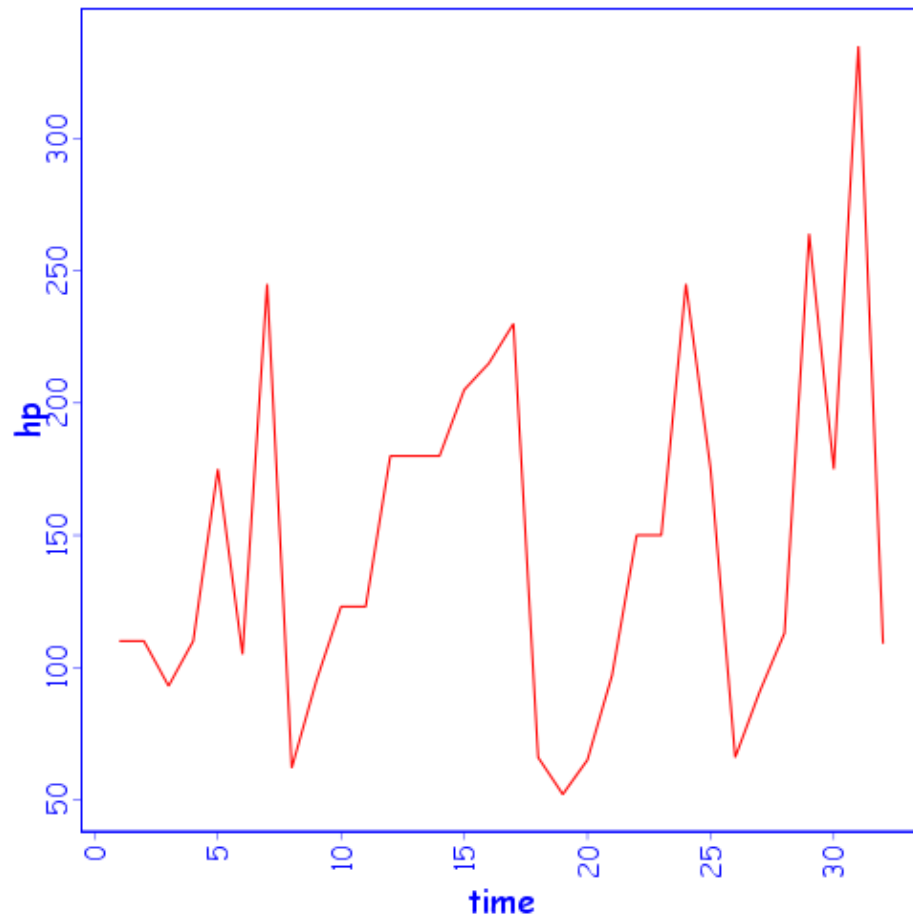
Base R plot



lattice



ggplot2



This report was generated with [R](#) (2.15.1) and [pander](#) (0.2) in 14.579 sec on x86_64-unknown-linux-gnu platform.