Das Lattice Paket

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Das lattice-Paket

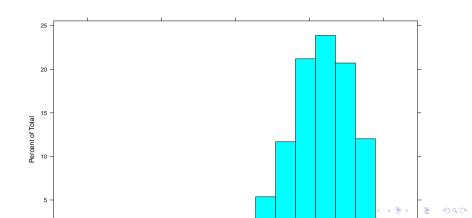
▶ It is designed to meet most typical graphics needs with minimal tuning, but can also be easily extended to handle most nonstandard requirements.

Lattice Graphics

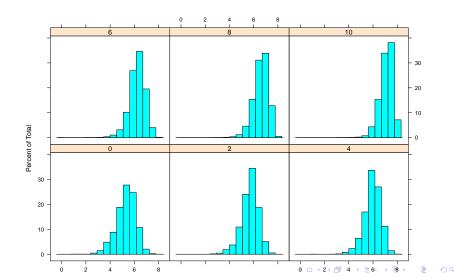
Histogramm mit Lattice

```
library("lattice")

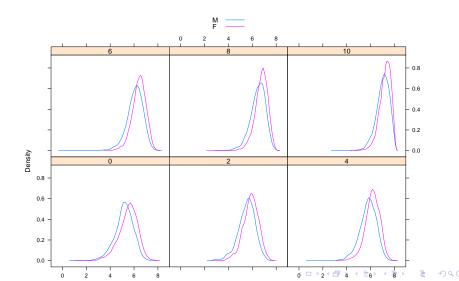
library("mlmRev")
data(Chem97)
histogram(~ gcsescore, data = Chem97)
```



Histogramm mit Lattice

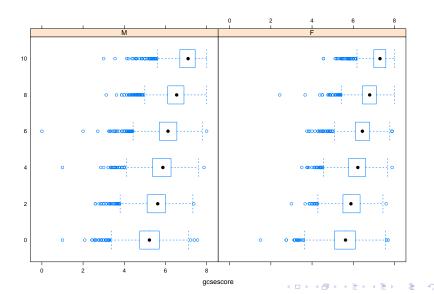


Die Dichte mit Lattice zeichnen



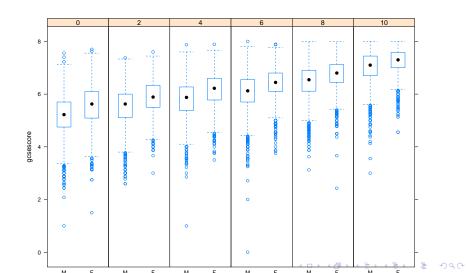
Boxplot mit Lattice zeichnen

bwplot(factor(score) ~ gcsescore | gender, Chem97)

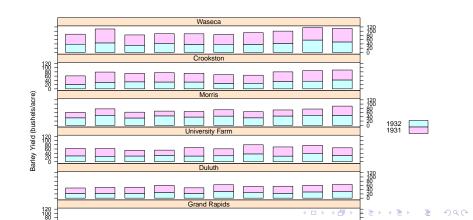


Boxplot mit Lattice zeichnen

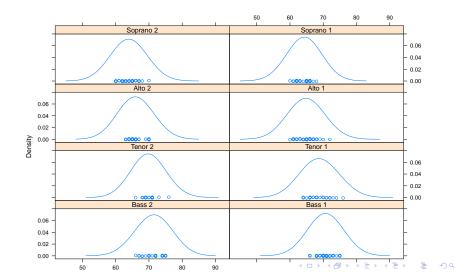
```
bwplot(gcsescore ~ gender | factor(score), Chem97,
layout = c(6, 1))
```



Univariate Plots

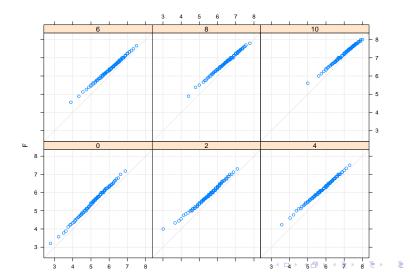


Densityplot



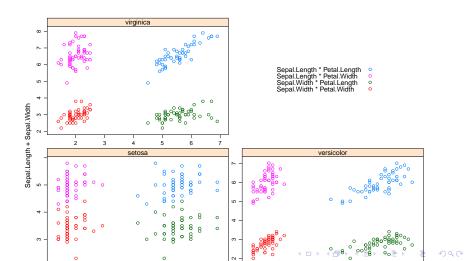
Bivariate Plots

```
qq(gender ~ gcsescore | factor(score), Chem97,
  f.value = ppoints(100), type = c("p", "g"), aspect = 1)
```

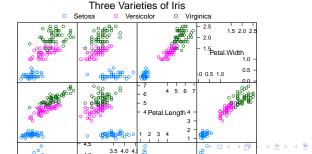


xyplot

```
xyplot(Sepal.Length + Sepal.Width ~ Petal.Length + Petal.Width adata = iris, scales = "free", layout = c(2, 2),
auto.key = list(x = .6, y = .7, corner = c(0, 0)))
```

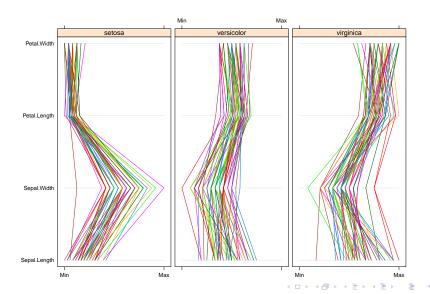


Multivariate Plots



parallelplot

parallelplot(~iris[1:4] | Species, iris)



Lattice Befehle

▶ Übersicht aller Lattice Befehle