### **Das Lattice Paket**

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### Das lattice-Paket

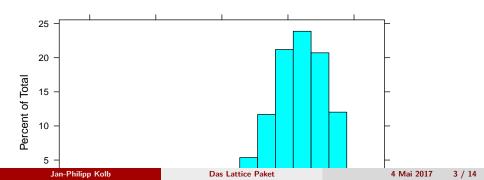
It is designed to meet most typical graphics needs with minimal tuning, but can also be easily extended to handle most nonstandard requirements.

http://stat.ethz.ch/R-manual/R-devel/library/lattice/html/Lattice.html

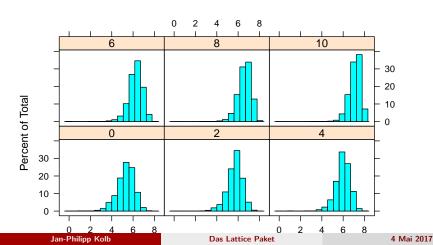
# **Histogramm mit Lattice**

```
library("lattice")

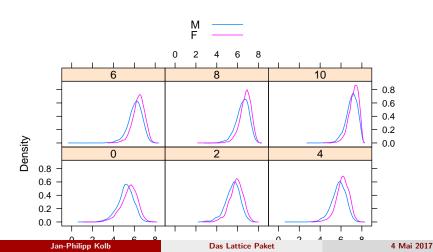
library("mlmRev")
data(Chem97)
histogram(~ gcsescore, data = Chem97)
```



# **Histogramm mit Lattice**

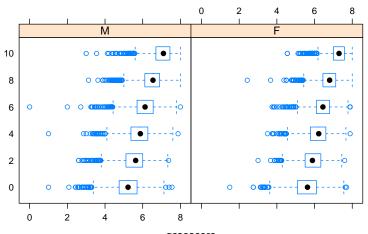


## Die Dichte mit Lattice zeichnen



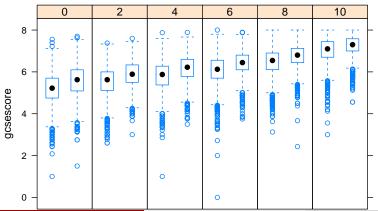
## **Boxplot mit Lattice zeichnen**

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



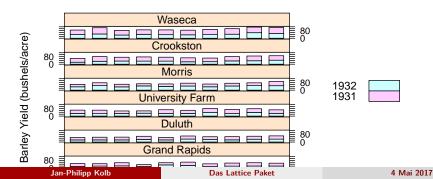
## **Boxplot mit Lattice zeichnen**

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

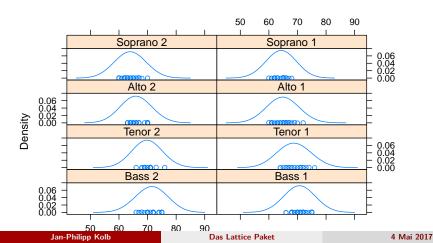


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### **Univariate Plots**

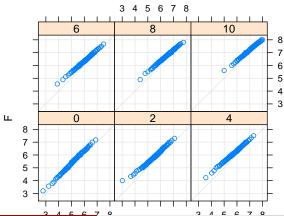


## **Densityplot**



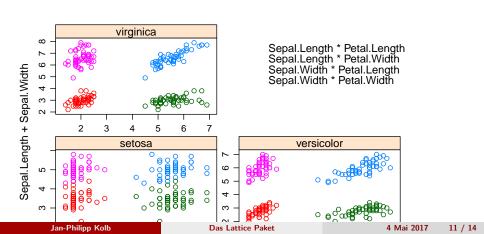
## **Bivariate Plots**

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



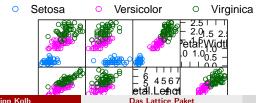
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## xyplot



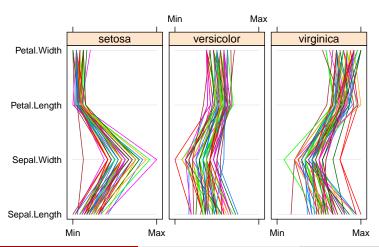
#### Multivariate Plots

#### Three Varieties of Iris



# parallelplot

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



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### Lattice Befehle

• Übersicht aller Lattice Befehle