#### **Das Lattice Paket**

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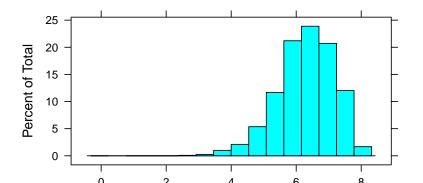
#### Das lattice-Paket

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

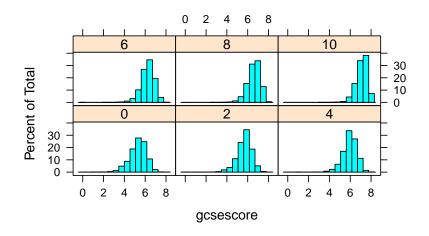
# Histogramm mit Lattice

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

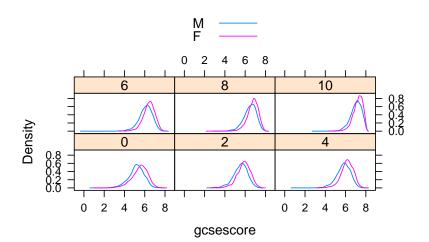


# Histogramm mit Lattice

histogram(~ gcsescore | factor(score),data = Chem97)

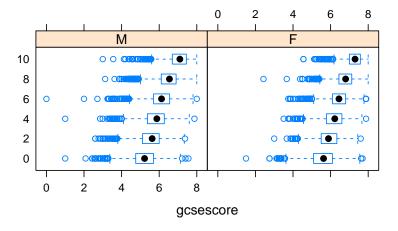


#### Die Dichte mit Lattice zeichnen



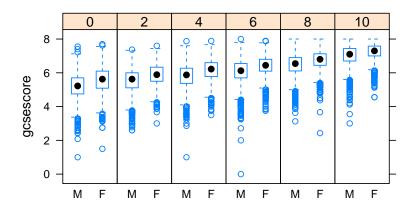
## **Boxplot mit Lattice zeichnen**

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

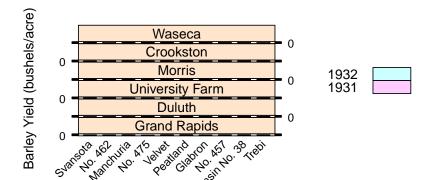


# **Boxplot** mit Lattice zeichnen

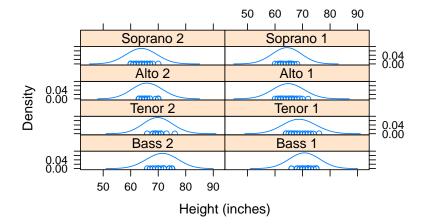
```
bwplot(gcsescore ~ gender | factor(score), Chem97,
  layout = c(6, 1))
```



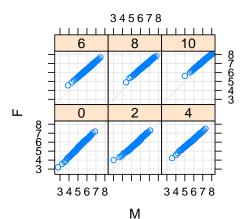
#### **Univariate Plots**



## **Densityplot**

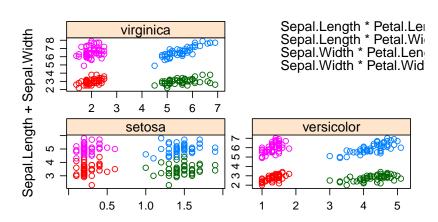


#### **Bivariate Plots**



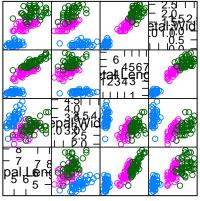
### xyplot

```
xyplot(Sepal.Length + Sepal.Width ~ Petal.Length + Petal.Width ~ Petal.Widt
```



#### **Multivariate Plots**

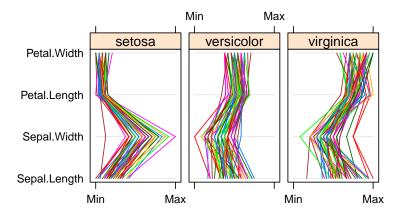
```
splom(~iris[1:4], groups = Species, data = iris)
```



Scatter Plot Matrix

## parallelplot

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



### Lattice Befehle

• Übersicht aller Lattice Befehle