Scatterplot

Problem

You want to make a scatterplot.

Solution

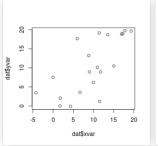
Suppose this is your data:

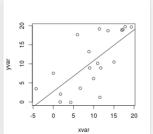
Basic scatterplots

```
# Plot the points using the vectors xvar and yvar
plot(dat$xvar, dat$yvar)

# Same as previous, but with formula interface
plot(yvar ~ xvar, dat)

# Add a regression line
fittline < rInd(dat$yvar ~ dat$xvar)
abline(fitline)
```

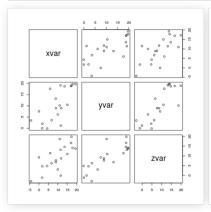


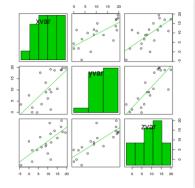


Scatterplot matrices

It is also possible to make a matrix of scatterplots if you would like to compare several variables.

See this for a way to make a scatterplot matrix with r values.





 $To \ calculate \ the \ corresponding \ correlation \ matrix, see \ ../../Statistical \ analysis/Regression \ and \ correlation.$

To visualize the correlation matrix, see ../Correlation matrix.

Cookbook for R

Problem

Solution

Basic scatterplots

Scatterplot matrices