x=rnorm(1000)

qqnorm(y)

qqnorm(x)

qqnorm(y)

qqline(x,lty=2)

qqnorm(x);qqline(x,lty=2)

qqnorm(x)

qqnorm(x);qqline(x)

x=rexp(1000);qqnorm(x);qqline(x)

x=rexp(1000);qqexp(x);qqline(x)

x=rcauchy(1000);qqnorm(x);qqline(x)

x=runif(1000);qqnorm(x);qqline(x)

hist(x)

hist(x,"green")

hist(x,color="green")

hist(x,col="green")

x=rcauchy(1000);hist(x);qqnorm(x);qqline(x)

x=rcauchy(1000);hist(x)

x=rnorm(1000)\*3+12;hist(x,col="green")

qqnorm(x);qqline(x)

x=rcauchy(1000)\*3+12;hist(x,col="green")

qqnorm(x);qqline(x)

?skew

??skewness

?chitest

x=rnorm(1000);y=rnorm(1000);qqplot(x,y)

x=rnorm(1000);y=rexp(1000);qqplot(x,y)

x=rnorm(1000);y=rcauchy(1000);qqplot(x,y)

chisq.test(x)

skew<-function(x){

m3<-sum((x-mean(x))^3)/length(x)

s3<-sqrt(var(x))^3

m3/s3 }

skew(x)

skew(y)

skew(y)

kurtosis<-function(x) {

m4<-sum((x-mean(x))^4)/length(x)

s4<-var(x)^2

m4/s4 - 3 }

kurtosis(x)

kurtosis(y)

summary(x)

summary(y)

?delete

??delete

save.image("C:\\FS\_munka\_2014\\R\_FS\_2014\\R\_proba2")