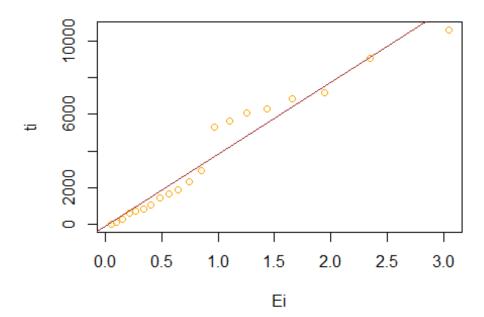
```
#example 1.8:
t<-
c(711.5,1051,6303.9,1883.6,6054.3,6853.7,7201.9,279.8,2311.1,7.5,5296.6,848.2
,9068.5,10609.7,592.1,1657.2,5637.9,2951.2,1425.5,121.5)
sample.quantiles.exp<-sort(t)
i<-1:length(t)
E<--log(1-(i/(length(t)+1)))
theoretical.quantiles.exp=E
fit<-lm(sort(t)~E)
plot(E,sort(t),col="Orange",xlab = "Ei",ylab="ti")
abline(fit,col="Brown")</pre>
```



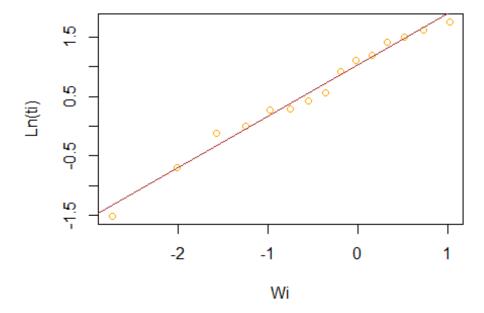
```
#example 2.8:
library("fitdistrplus","qualityTools")

## Warning: package 'fitdistrplus' was built under R version 4.0.4

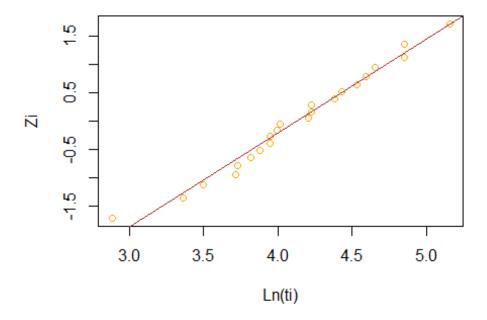
## Loading required package: MASS

## Loading required package: survival

x<-(c(5.77,5.03,4.5,4.1,3.3,3.0,2.5,1.76,1.54,1.33,1.32,1,0.88,0.5,0.22))
i<-1:length(x)
W<-log(-log(1-(i/(length(x)+1))))
plot(W,log(sort(x)),col="Orange",xlab="Wi",ylab="Ln(ti)")
fit1<-lm(log(sort(x))~W)
abline(fit1,col="Brown")</pre>
```



```
#example 3.8:
t<-
c(17.88,28.92,33.00,41.52,41.12,45.60,48.40,51.84,51.95,54.12,55.56,67,80,68.
64,68.64,84.12,93.12,98.64,105.12,127.92,128.04,173.40)
i<-1:length(t)
Zi<-qnorm(i/(length(t)+1))
plot(log(sort(t)),Zi,xlab = "Ln(ti)",ylab= "Zi",col="Orange")
fit<-lm(Zi~log(sort(t)))
abline(fit,col="brown")</pre>
```



End.