

R Example - Choosing the incorrect distribution

```
set.seed(123)
xdata<-rnorm(30,20,5)           #data generated from Normal distribution
plot(ecdf(xdata))               #non-parametric approach
expdata<-rexp(1000,1/mean(xdata))
lines(ecdf(expdata),col= "blue") #assuming exponential distribution
normdata<-rnorm(1000,mean(xdata),sqrt(var(xdata)))
lines(ecdf(normdata),col= "red") #assuming normal distribution
```

