

```
normal.lik1<-function(theta,y){  
mu<-theta[1]  
sigma2<-theta[2]  
n<-nrow(y)  
logl<- -.5*n*log(2*pi) -.5*n*log(sigma2) -(1/(2*sigma2))*sum((y-mu)**2)  
return(-logl)  
}
```