1 Aula 3 - 16/03/2018

```
> rm(list = ls())
> fsigmoide<-function(u){
+   1/(1+exp(-2*(u)))
+ }
> n<-5
> N<-20
> m<-4
> X<-matrix(runif(n*N),nrow=N,ncol=n)
> Y<-matrix(runif(m*N),nrow=N,ncol=m)
> Xaug<-cbind(X,1)
> p<-15
> Z<-matrix(runif(n*p),nrow=n,ncol=p)
> U1<-X %*% Z
> H<-fsigmoide(U1)
> W<-matrix(runif(m*p),nrow=p,ncol=m)
> U2<-H %*% W
> Yhat<-fsigmoide(U2)
>
```