# Egg numbers vs food and density

egg\_number<-read.table('Egg\_number.csv',header=TRUE,sep=';')

egg<-egg\_number$eggs

fl<-egg\_number$food\_level

dens<-egg\_number$density

model1<-glm(egg~fl\*dens,family = poisson(link = "log"))

summary(model1)

model2<-glm(egg~fl+dens,family=poisson(link="log"))

summary(model2)

library('AER')

dispersiontest(model2)

model3<-glm(egg~fl+dens,family=quasipoisson)

summary(model3)