# EmT50 vs food and density

ec50data<-read.table('EmT50.csv',header=TRUE,sep=';')

EmT50<-ec50data$EmT50

fl<-ec50data$food\_level

dens<-ec50data$density

shapiro.test(EmT50)

bartlett.test(EmT50~fl)

bartlett.test(EmT50~dens)

cor1<-lm(EmT50~fl\*dens,method='spearman')

summary(cor1)

cor2<-lm(EmT50~fl+dens,method='spearman')

summary(cor2)