```
d=file.choose()
data=read.csv(d)
data=data[,-1]
names(data)
head(data)

fit1=lm(risk~.,data=data)
summary(fit1)
fit2=step(lm(risk~.,data=data))
summary(fit2)
data$pred=predict(fit2)
names(data$pred)
attach(data)
data$error <- data$risk - data$pred
data

data$sqerror <- data$error^2
mse <- mean(data$sqerror)
rmse <- sqrt(mse)
rmse

data$std_res <- data$error / rmse
data$abs_std_res <- abs(data$error / rmse)


#-----------------------------------------------------------------------------------------------------------
# REMOVING OUTLIERS
#-----------------------------------------------------------------------------------------------------------
data1 <- subset(data,abs_std_res < 1.96)
data1

#-----------------------------------------------------------------------------------------------------------
# RECONSTRUCTING MODEL AFTER REMOVING OUTLIERS
#-----------------------------------------------------------------------------------------------------------
fit3 <- lm(risk ~ Smoker + Diabetes + Fam_his, data=data1)
summary(fit3)
```