```
    library(mlbench)
    data(Glass)

dim(Glass)
?Glass
De-
scrip-
tion
Class
La-
bels
Type
sum-
mary
summary(Glass)
summary(Glass$Type)
Type
Type
TipoDeVidrio
    Glass$Type=as.character(Glass$Type)
    Glass$Type[Glass$Type=="1"]="VentanaTipo1"
    Glass$Type[Glass$Type=="2"]="VentanaEdificio"
    Glass$Type[Glass$Type=="3"]="VentanaAuto"
    Glass$Type[Glass$Type=="5"]="Recipiente"
    Glass$Type[Glass$Type=="6"]="Vajilla"
    Glass$Type[Glass$Type=="7"]="FaroAuto"
    Glass$Type=factor(Glass$Type)
    names(Glass)[names(Glass)=="Type"]="TipoDeVidrio"

summary(Glass)
Glass$TipoDeVidrio
    plot(Glass$TipoDeVidrio, main="Gráfico de barras de Título", col="COLOR")

colors()
head
summary
    head(entreno)
    summary(entreno)
    head(testeo)
    summary(testeo)

    dim(Glass)
    dim(entreno)
    dim(testeo)

    table(Glass$TipoDeVidrio)
    table(entreno$TipoDeVidrio)
    table(testeo$TipoDeVidrio)

rpart
    arbol=rpart(TipoDeVidrio~., entreno, method="class")

rpart.plot
cex=0.8
    rpart.plot(arbol, extra=1, type=5, cex=0.8)

confusionMatrix
caret
ac-
cu-
racy
    pred=predict(arbol, testeo, type="class")
    confusionMatrix(pred, testeo$TipoDeVidrio)

dim(testeo)
cp
cp
    arbolPodado=prune(arbolGrande, cp=cpElegido)

ac-
cu-
racy
    pred=predict(arbolPodado, testeo, type="class")
    confusionMatrix(pred, testeo$TipoDeVidrio)

ac-
cu-
racy
ac-
cu-
racy
```

ValorDescripción

??
??
:
Valor previoDescripción

~%
~%