```
# ARBOLES

# Para cargar otros algoritmos en RWeka descargarlos desdes
# https://sourceforge.net/projects/weka/files/weka-packages/


setwd("C:/1_PRESENTACION__USUARIOS_R_MADRID")

library(rJava)
library(RWeka)


load('german_600.RData')

WOW(J48)

m <- J48(clase ~ ., data = german_600, control = Weka_control(R = TRUE, M = 40))

m <- J48(clase ~ ., data = german_600, control = Weka_control(M = 40, C=0.2))

summary(m)
plot(m)
objects(m)

## visualization
## use partykit package
if(require("partykit", quietly = TRUE)) plot(m)
## or Graphviz
write_to_dot(m)
## or Rgraphviz
## Not run:
library("Rgraphviz")
ff <- tempfile()
write_to_dot(m, ff)
plot(agread(ff))




m$predictions

table(m$predictions,german_600$clase)

## Use 10 fold cross-validation.

WOW(J48)
```

```
arbol <- make_Weka_classifier("weka/classifiers/trees/J48")

m <- arbol(clase ~ ., data = german_600,control=Weka_control())

modelo <- evaluate_Weka_classifier(m,newdata=german_600,numFolds=10,class=T)

print(modelo)

objects(modelo)

modelo$details
modelo$detailsClass

str(modelo$detailsClass)
dim(modelo$detailsClass)

## Con Matriz de Coste.


e <- evaluate_Weka_classifier(m,
                cost = matrix(c(0,2,1,0), ncol = 2),
                numFolds = 10, complexity = TRUE,
                seed = 123, class = TRUE)
e
summary(e)
e$details
```