# Diabetes

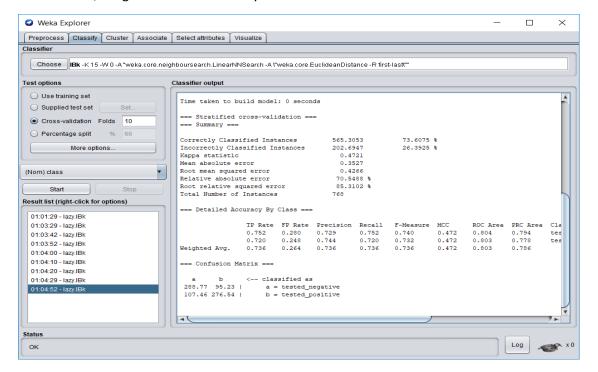
# PREPROCESSING STEP:

Applied ClassBalancer: Number of classes unequal. May cause bias. Hence used ClassBalancer to distribute the weightage equally between the classes.

# Classification Methods:

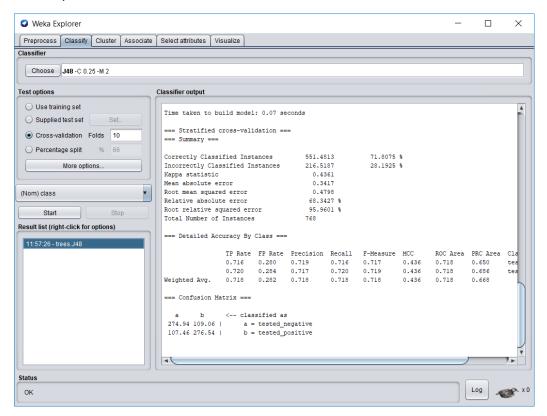
#### KNN:

Where k=15, we get maximum accuracy of 73.6075%



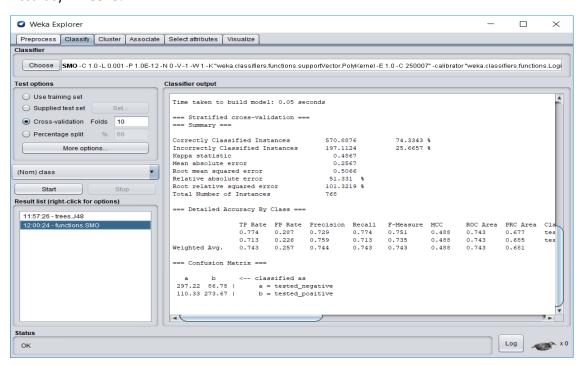
### **Decision Tree:**

Accuracy: 71.8075%



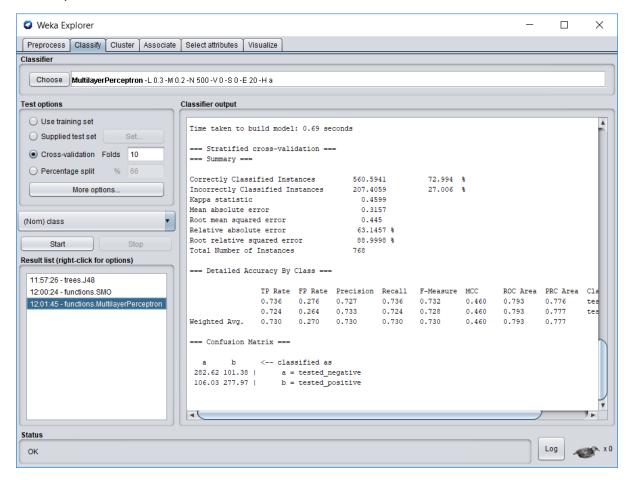
### SVM:

# Accuracy:74.3343%



# ANN:

Accuracy: 72.994%



SVM has better accuracy than all of these models.