

Predictions - Orange

File View Window Help

Show probabilities for (None) ☐ Show classification errors

Restore Original Order

	Tree	kNN	Neural Network	Drug	Na_to_K	Age	Sex	BP	Cholesterol
1	drugY	drugY	drugY	drugY	22.818	22	F	HIGH	NORMAL
2	drugX	drugY	drugY	drugY	15.969	39	M	NORMAL	HIGH
3	drugX	drugX	drugX	drugY	25.893	57	F	NORMAL	NORMAL
4	drugC	drugC	drugC	drugY	19.796	28	F	LOW	HIGH
5	drugA	drugA	drugA	drugB	13.934	60	M	HIGH	HIGH
6	drugX	drugY	drugY	drugX	14.133	53	M	NORMAL	HIGH
7	drugC	drugC	drugC	drugC	11.037	41	M	LOW	HIGH
8	drugA	drugA	drugA	drugA	7.490	50	M	HIGH	HIGH
9	drugA	drugA	drugY	drugY	15.156	41	M	HIGH	NORMAL
10	drugY	drugY	drugY	drugA	11.326	38	F	HIGH	NORMAL
11	drugA	drugA	drugY	drugA	10.446	48	M	HIGH	NORMAL
12	drugX	drugX	drugX	drugX	13.884	59	F	NORMAL	HIGH
13	drugX	drugX	drugX	drugY	17.211	50	F	NORMAL	NORMAL
14	drugX	drugY	drugY	drugY	15.171	60	M	NORMAL	HIGH

☒ Show performance scores Target class: (Average over classes)

Model	AUC	CA	F1	Prec	Recall	MCC
Tree	0.771	0.533	0.475	0.634	0.533	0.450
kNN	0.746	0.483	0.449	0.542	0.483	0.361
Neural Network	0.740	0.600	0.586	0.595	0.600	0.405

60 | 60 | 3x60

Arbol de decision

Tree - Orange

Name

Tree

Parameters

☐ Induce binary tree

☒ Min. number of instances in leaves: 19

☒ Do not split subsets smaller than: 20

☒ Limit the maximal tree depth to: 150


Classification

☒ Stop when majority reaches [%]: 95

☒ Apply Automatically

140

KNN

 kNN - Orange ✕

Name

kNN

Neighbors




Number of neighbors: 30





Metric: Euclidean

Weight: By Distances

☒

Apply Automatically

 140 | -   

Redes Neuronales

Neural Network - Orange

Name

Neural Network

Neurons in hidden layers: 200,

Activation: Logistic

Solver: Adam

Regularization, $\alpha=0.03$:

Maximal number of iterations: 500

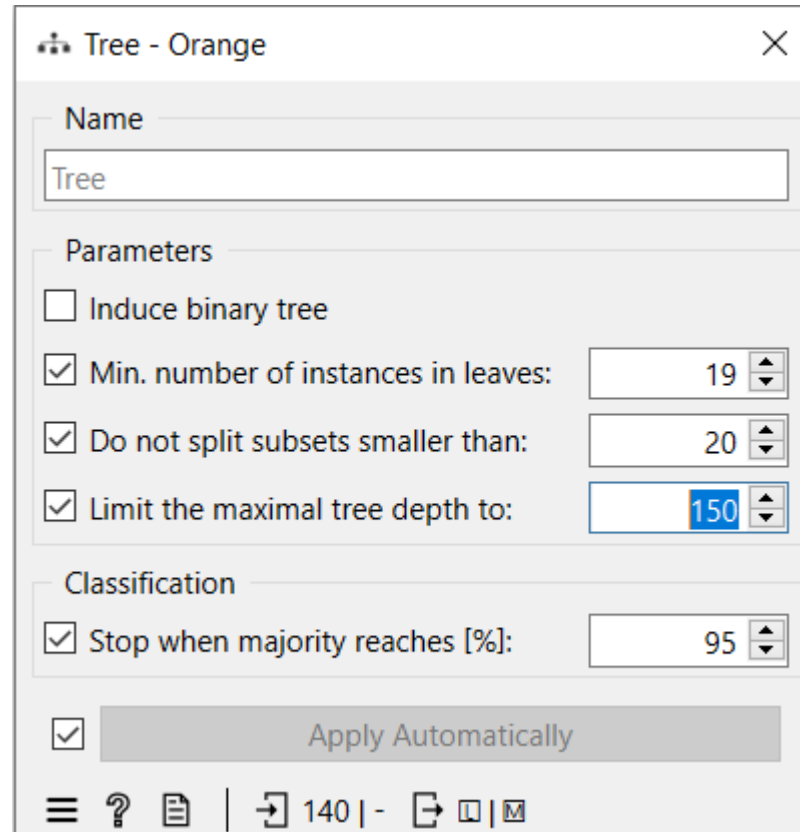
☒ Replicable training

Cancel ☒ Apply Automatically

140

Conclusiones

Despues de haber utilizado los modelos de Arbol de decision, kNN y Redes Neuronales, llegue a la conclusion de que el arbol de decision es el que tiene mayor precision con 0.634, con los siguientes parametros:



The screenshot shows the 'Tree - Orange' dialog box with the following settings:

- Name:** Tree
- Parameters:**
 - ☐ Induce binary tree
 - ☒ Min. number of instances in leaves: 19
 - ☒ Do not split subsets smaller than: 20
 - ☒ Limit the maximal tree depth to: 150
- Classification:**
 - ☒ Stop when majority reaches [%]: 95
- ☒ Apply Automatically

The bottom of the dialog shows a status bar with icons for help, documentation, and a zoom level of 140%.