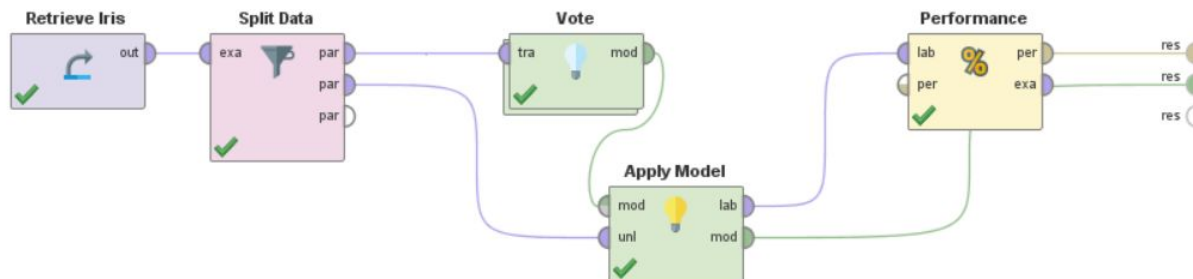


# TA1 - Agustín Fernández

## Ejercicio 1

### Votación



accuracy: 95.56%

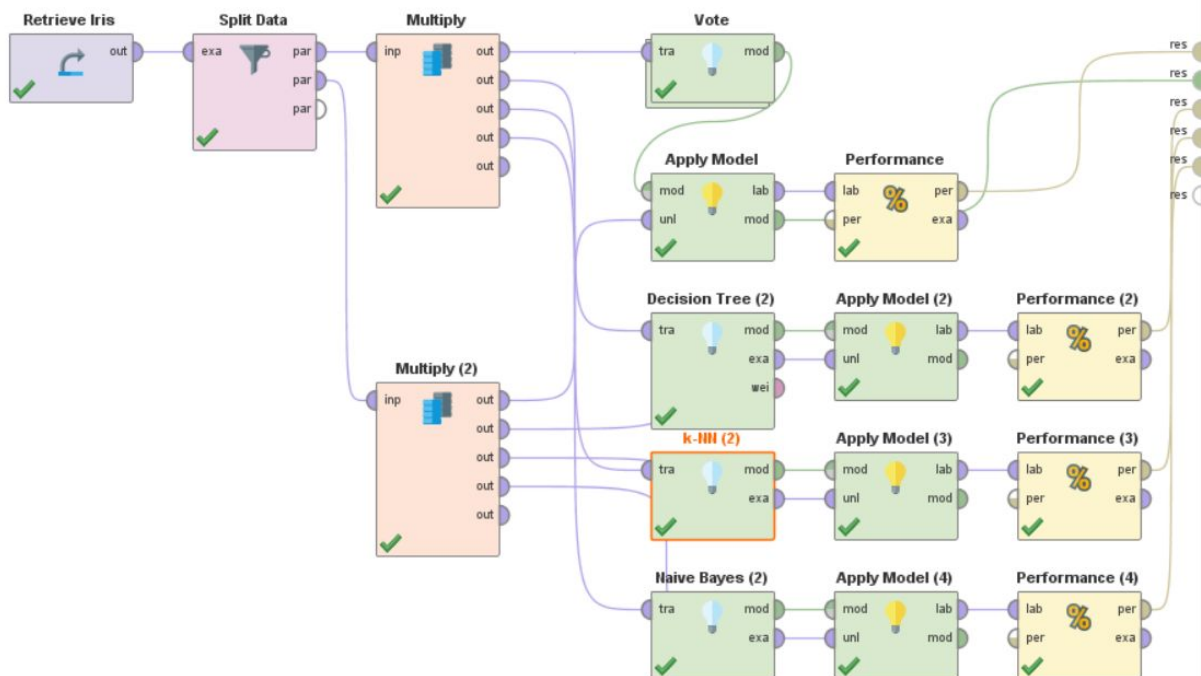
	true Iris-setosa	true Iris-versicolor	true Iris-virginica	class precision
pred. Iris-setosa	16	0	0	100.00%
pred. Iris-versicolor	0	16	1	94.12%
pred. Iris-virginica	0	1	11	91.67%
class recall	100.00%	94.12%	91.67%	

### Parámetros

Decision Tree: maximal depth 10, gain\_ratio, minimal leaf size 2, minimal size of split 4

k-NN: k 3, mixedMeasures, mixedEuclidianDistance

Naive Bayes: laplace correction



## Decision Tree Performance

accuracy: 93.33%

	true Iris-setosa	true Iris-versicolor	true Iris-virginica	class precision
pred. Iris-setosa	16	0	0	100.00%
pred. Iris-versicolor	0	16	2	88.89%
pred. Iris-virginica	0	1	10	90.91%
class recall	100.00%	94.12%	83.33%	

## k-NN Performance

accuracy: 97.78%

	true Iris-setosa	true Iris-versicolor	true Iris-virginica	class precision
pred. Iris-setosa	15	0	0	100.00%
pred. Iris-versicolor	0	15	1	93.75%
pred. Iris-virginica	0	0	14	100.00%
class recall	100.00%	100.00%	93.33%	

## Naive Bayes Performance

accuracy: 97.78%

	true Iris-setosa	true Iris-versicolor	true Iris-virginica	class precision
pred. Iris-setosa	15	0	0	100.00%
pred. Iris-versicolor	0	15	1	93.75%
pred. Iris-virginica	0	0	14	100.00%
class recall	100.00%	100.00%	93.33%	

## Ejercicio 2

### Decision Tree

accuracy: 95.56%

	true Iris-setosa	true Iris-versicolor	true Iris-virginica	class precision
pred. Iris-setosa	16	0	0	100.00%
pred. Iris-versicolor	0	16	1	94.12%
pred. Iris-virginica	0	1	11	91.67%
class recall	100.00%	94.12%	91.67%	

### k-NN

accuracy: 97.78%

	true Iris-setosa	true Iris-versicolor	true Iris-virginica	class precision
pred. Iris-setosa	15	0	0	100.00%
pred. Iris-versicolor	0	15	1	93.75%
pred. Iris-virginica	0	0	14	100.00%
class recall	100.00%	100.00%	93.33%	

Naive Bayes

accuracy: 97.78%				
	true Iris-setosa	true Iris-versicolor	true Iris-virginica	class precision
pred. Iris-setosa	15	0	0	100.00%
pred. Iris-versicolor	0	15	1	93.75%
pred. Iris-virginica	0	0	14	100.00%
class recall	100.00%	100.00%	93.33%	