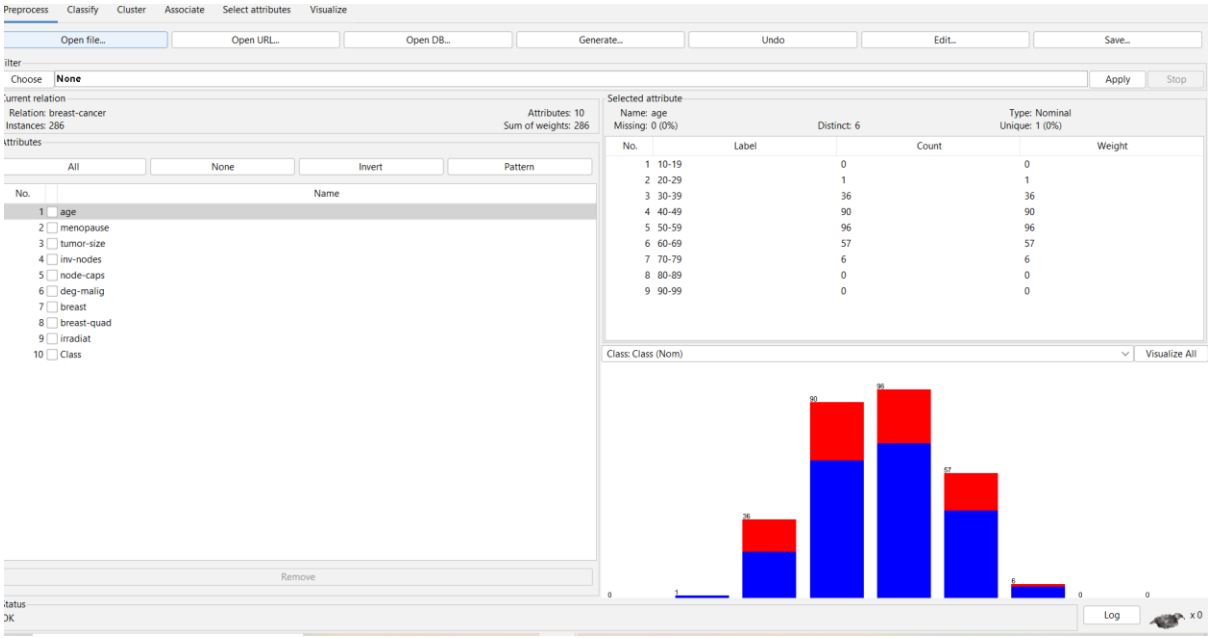
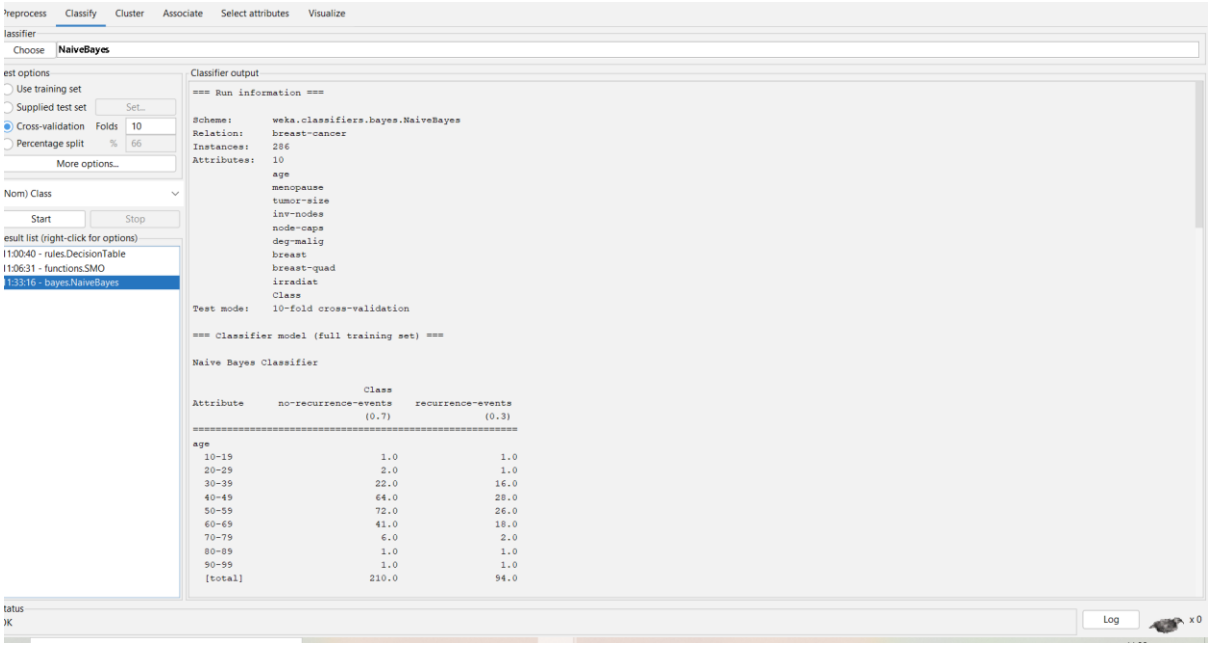
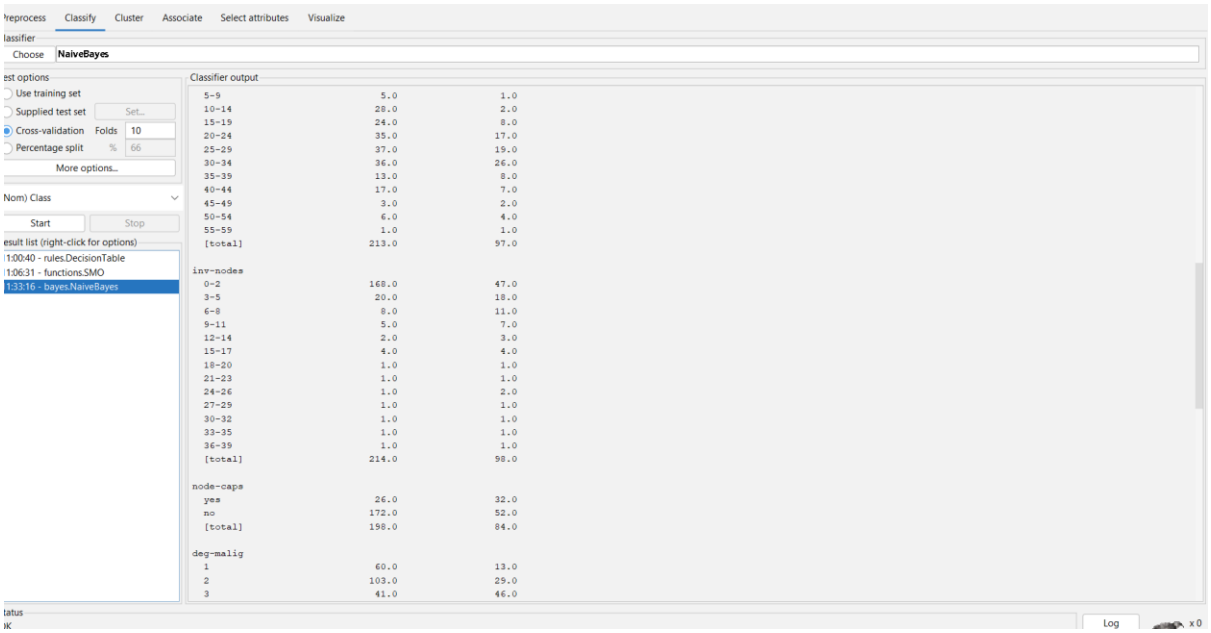
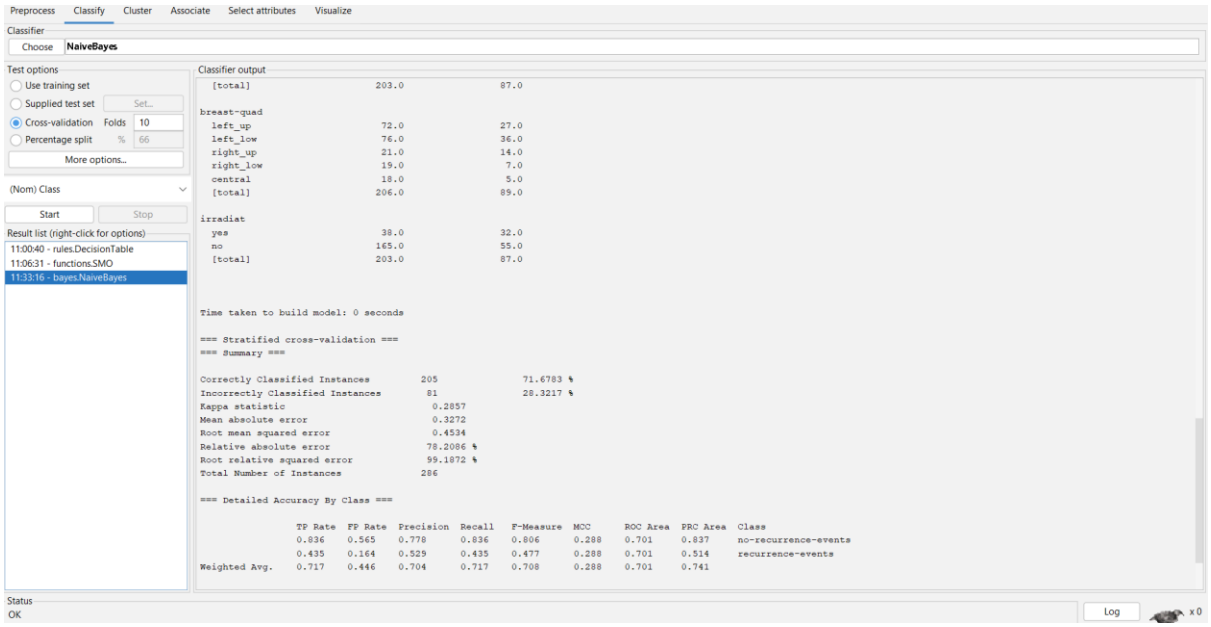
Bayesian algorithm






Preprocess
Classify
Cluster
Associate
Select attributes
Visualize
Classifier
Choose
NaiveBayes
Test options
Use training set
Supplied test set
Set...
Cross-validation
Folds
10
Percentage split
%
66
More options...
(Nom) Class
Start
Stop
Result list (right-click for options)
11:00:40 - rules.DecisionTable
11:06:31 - functions.SMO
11:33:16 - bayes.NaiveBayes
Classifier output
5-9 5.0 1.0
10-14 28.0 2.0
15-19 24.0 8.0
20-24 35.0 17.0
25-29 37.0 19.0
30-34 36.0 26.0
35-39 13.0 8.0
40-44 17.0 7.0
45-49 3.0 2.0
50-54 6.0 4.0
55-59 1.0 1.0
[total] 213.0 97.0
inv-nodes
0-2 168.0 47.0
3-5 20.0 18.0
6-8 8.0 11.0
9-11 5.0 7.0
12-14 2.0 3.0
15-17 4.0 4.0
18-20 1.0 1.0
21-23 1.0 1.0
24-26 1.0 2.0
27-29 1.0 1.0
30-32 1.0 1.0
33-35 1.0 1.0
36-39 1.0 1.0
[total] 214.0 98.0
node-caps
yes 26.0 32.0
no 172.0 52.0
[total] 198.0 84.0
deg-malig
1 60.0 13.0
2 103.0 29.0
3 41.0 46.0
Status
OK
Log
x 0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Folds
10
Percentage split
%
66
More options...
(Nom) Class
Start
Stop
Result list (right-click for options)
11:00:40 - rules.DecisionTable
11:06:31 - functions.SMO
11:33:16 - bayes.NaiveBayes
Classifier output
[total] 203.0 87.0
breast-quad
left_up 72.0 27.0
left_low 76.0 36.0
right_up 21.0 14.0
right_low 19.0 7.0
central 18.0 5.0
[total] 206.0 89.0
irradiat
yes 38.0 32.0
no 165.0 55.0
[total] 203.0 87.0
Time taken to build model: 0 seconds
=== Stratified cross-validation ===
=== Summary ===
Correctly Classified Instances 205 71.6783 %
Incorrectly Classified Instances 81 28.3217 %
Kappa statistic 0.2857
Mean absolute error 0.3272
Root mean squared error 0.4534
Relative absolute error 78.2086 %
Root relative squared error 99.1072 %
Total Number of Instances 286
=== Detailed Accuracy By Class ===
TP Rate FP Rate Precision Recall F-Measure MCC ROC Area PRC Area Class
0.836 0.565 0.778 0.836 0.806 0.288 0.701 0.837 no-recurrence-events
0.435 0.164 0.529 0.435 0.477 0.288 0.701 0.514 recurrence-events
Weighted Avg. 0.717 0.446 0.704 0.717 0.708 0.288 0.701 0.741
Status
OK
Log
x 0