|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Reported information | Test type | Decision Tree | SVM | Naïve Bayes | KNN |
| Accuracy with default parameters | Entire dataset | 91.46 | 90.73 | 88.13 | **92.51** |
| 50% | 90.77 | 90.54 | 88.31 | 92.38 |
| Cross-validation | 90.92 | 90.72 | 88.15 | 90.94 |
| Accuracy with best parameters | Entire dataset | 99.25 | 100.00 | 88.13 | 100 |
| 50% | 90.97 | 91.63 | 88.31 | 100 |
| Cross-validation | 90.98 | 91.26 | 88.15 | 91.44 |
| List names of parameters | | Criterion  Maximal depth  Apply pruning  Confidence  Apply pre-pruning  minimal gain  Leaf size | Kernel type  C  Convergence epsilon  L pos  L neg  Epsilon  Epsilon plus  Epsilon minus | none | K  Weighted vote  Measure type  Mixed measure |
| List selected best values of parameters (in the same order as in the list of names) | Entire dataset | Information gain  -1  0.01  0.001  1 | Radial  2.0  1000.0  0.001  2.0  1.0  0.0  0.0  0.0 | none | 1  Weighted vote  Mixed measures  Mixed Euclidean distance |
| 50% | Gain\_ratio  10  0.01  0.01  5 | 10.0  0.001  2.0  1.0  0.0  0.0  0.0 | none | 1  Weighted vote  Mixed measures  Mixed Euclidean distance |
| Cross-validation | Information gain  -1  0.01  0.001  1 | Dot  10.0  0.001  1.0  1.0  0.0  0.0  0.0 | none | 20  Numerical measures  Euclidean distance |