Data Set name: “/FileStore/tables/rxzd7xco1499906618247/3.data”

Dataset URL: https://archive.ics.uci.edu/ml/datasets/banknote+authentication#

Results:

| Number of instance | Total number of attribute s | Number of attributes used (in case of dimensionalit y reduction) | Classification Method e.g. Logistic Regression | Parameters | Train/Test Ratio | Test Accuracy/ Error | Other metric |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1372 | 5 | 5 | Decision Tree | variance of Wavelet Transformed image,  skewness of Wavelet Transformed image,  curtosis of Wavelet Transformed image,  entropy of image,  class (integer) | 80/20 | Test Error = 0.05535055350553508  accuracy = 0.9446494464944649 | FPR(0.0) = 0.08391608391608392  FPR(1.0) = 0.0234375  F1-Score(0.0) = 0.9433962264150944  F1-Score(1.0) = 0.9458483754512635 |
| 1372 | 5 | 4 | Decision Tree | variance of Wavelet Transformed image,  skewness of Wavelet Transformed image,  curtosis of Wavelet Transformed image,  class (integer) | 80/20 | Test Error = 0.0035211267605633756  accuracy = 0.996478873239437 |  |
| 1372 | 5 | 5 | RandomTree | variance of Wavelet Transformed image,  skewness of Wavelet Transformed image,  curtosis of Wavelet Transformed image,  entropy of image,  class (integer) | 80/20 | accuracy: = 0.988009592326139  Test Error = 0.011990407673860948 | FPR(0.0) = 0.0  FPR(1.0) = 0.02109704641350211  F1-Score(0.0) = 0.9893390191897655  F1-Score(1.0) = 0.9863013698630138 |
| 1372 | 5 | 4 | RandomTree | variance of Wavelet Transformed image,  skewness of Wavelet Transformed image,  curtosis of Wavelet Transformed image,  class (integer) | 80/20 | Test Error = 0.0024999999999999467  accuracy = 0.9975 |  |
|  |  |  |  |  |  |  |  |

Note Address:

https://databricks-prod-cloudfront.cloud.databricks.com/public/4027ec902e239c93eaaa8714f173bcfc/1167720815458194/1350925437639881/7004078490200334/latest.html