Result as seen in console:

variance skewness curtosis entropy class

0 3.62160 8.6661 -2.8073 -0.44699 0

1 4.62160 8.1674 -2.4586 -1.46210 0

2 3.86600 -2.6383 1.9242 0.10645 0

3 3.45660 9.5228 -4.0112 -3.59440 0

4 0.32924 -4.4552 4.5718 -0.98880 0

variance skewness curtosis entropy class

count 1372.000000 1372.000000 1372.000000 1372.000000 1372.000000

mean 0.433790 1.922353 1.397627 -1.191657 0.444606

std 2.842843 5.869047 4.310030 2.101013 0.497103

min -7.042100 -13.773100 -5.286100 -8.548200 0.000000

25% -1.773000 -1.708200 -1.574975 -2.413450 0.000000

50% 0.496180 2.319650 0.616630 -0.586650 0.000000

75% 2.821475 6.814625 3.179250 0.394810 1.000000

max 6.824800 12.951600 17.927400 2.449500 1.000000

class

0 762

1 610

dtype: int64

[1 0 1 0 0 0 0 0 1 1 0 0 1 0 0 0 1 1 0 0 1 0 0 1 0 1 0 1 0 0 1 0 1 1 1 0 0

1 0 1 0 1 0 0 1 1 0 0 1 0 0 1 0 1 1 0 1 1 0 1 1 0 0 0 0 1 1 1 1 0 1 0 1 0

0 1 0 0 0 0 1 1 0 0 1 1 0 0 0 0 0 1 1 1 1 0 0 0 1 1 0 1 0 0 0 1 0 1 1 1 0

1 0 0 1 0 0 0 1 1 0 0 1 1 1 1 1 0 1 0 0 0 0 0 0 1 0 0 0 0 1 0 1 1 0 0 1 0

0 1 0 0 0 0 1 0 1 0 1 0 0 1 0 1 0 1 1 0 1 1 0 1 1 1 1 0 0 0 1 1 0 1 0 0 0

1 0 1 1 0 0 0 1 0 1 0 0 0 1 1 0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 1 1 0 0 0 0 0

0 0 0 1 1 0 0 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 1 0 0 0 0 0 0 1 0 1 1 0 0 1 1

1 0 0 0 1 0 0 1 1 0 1 1 0 1 1 1]

[[157 0]

[ 0 118]]

1.0

118

Analysis of the results:

Detailed view of the confusion matrix:

|  |  |  |  |
| --- | --- | --- | --- |
| **Actual**  **Predicted** | 0 | 1 | Total |
| 0 | 157 | 0 | 157 |
| 1 | 0 | 118 | 118 |
| Total | 157 | 118 | 275 |

Accuracy:

Answers the question:

Overall, how often is the classifier correct?

Accuracy = Number of correct predictions = 275 = 1

Total number of predictions 275

Accuracy = 100%

Precision:

Answers the question:

When it predicts 1, how often is it correct?

Precision = Number of correct ‘unstable’ predictions =118 = 1

Total number of ‘unstable’ predictions 118

Precision = 100%