

Running Naive Bayes Classifier on the iris dataset...

Training data: 100 samples with 4 features

Prior probabilities:

$P(C+)$: 0.34

$P(C-)$: 0.66

True Positives: 16

False Positives: 1

True Negatives: 33

False Negatives: 0

Accuracy: 0.98

Precision: 0.9411764705882353

Recall: 1.0

PS C:\Users\nrndb\OneDrive\Desktop\CMPSC 445\Assignments\HW 4> python HW4.py buy

Running Naive Bayes classifier on the buy dataset...

Training data: 14 samples with 4 features

Prior probabilities:

$P(C+)$: 0.6428571428571429

$P(C-)$: 0.35714285714285715

True Positives: 2

False Positives: 1

True Negatives: 1

False Negatives: 0

Accuracy: 0.75

Precision: 0.6666666666666666

Recall: 1.0

PS C:\Users\nrndb\OneDrive\Desktop\CMPSC 445\Assignments\HW 4> █