Hirunya Hirunsirisombut Write-up Assignment4 part I

Youtube Link: https://www.youtube.com/watch?v=gNrWrPUNS0A&feature=youtu.be

Provide the overall classification accuracy obtained on the full test data.

	Actual	Predicted
0	1	1
1	0	0
1 2 3	0	0
3	1	1
4 5 6 7	1	1
5	0	0
6	1	1
7	1	1
8 9	0	0
9	1	1
10	0	0
11	1	1
12	0	0
13	0	0
14	1	1
15	1	1
16	0	0
17	1	1
18	0	0
19	0	0

Provide output showing actual and predicted class labels for the first 20 document instances in the test data.

The overall classification accuracy = 99.5

Provide output from your trained model showing the complete class probabilities for the following terms: "program", "includ", "match", "game", "plai", "window", "file", "subject", "write".

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word in terms: program, P(Microsoft): 0.005902, P(Hockey): 0.000109
word in terms: includ, P(Microsoft): 0.005266, P(Hockey): 0.000692
word in terms: match, P(Microsoft): 0.000236, P(Hockey): 0.000382
word in terms: game, P(Microsoft): 0.000218, P(Hockey): 0.012202
word in terms: plai, P(Microsoft): 0.000127, P(Hockey): 0.007212
word in terms: window, P(Microsoft): 0.013057, P(Hockey): 0.000055
word in terms: file, P(Microsoft): 0.006701, P(Hockey): 0.000055
word in terms: subject, P(Microsoft): 0.009843, P(Hockey): 0.007631
word in terms: write, P(Microsoft): 0.003777, P(Hockey): 0.005045
```