PART – II NAÏVE BAYESIAN CLASSIFIER

DATASET – PIMA DATASET | PACKAGE – {e1701}

FORMULA - `naiveBayes(formula, data, laplace = 0)`

RESULTS

(1) When value of Laplace parameter is taken as default

Experiment	Laplace	Accuracy(%)
1	0	76.62338
2	0	75.32468
3	0	79.22078
4	0	71.42857
5	0	80.51948
6	0	83.11688
7	0	71.42857
8	0	77.92208
9	0	68.83117
10	0	75.32468
AVG		**75.974027**

OVERALL ACCURACY ~ 76%

(2) When value of Laplace parameter is taken as any number other than 0.

Experiment	Laplace	Accuracy(%)
1	5	70.12987
2	5	76.62338
3	5	79.22078
4	5	72.72727
5	5	81.81818
6	5	76.62338
7	5	77.92208
8	5	74.02597
9	5	71.42857
10	5	70.23377
AVG		**75.075325**

OVERALL ACCURACY ~ 75%