1. Naive Bayes:

Correctly Classified Instances 447 92.9314 %

Incorrectly Classified Instances 34 7.0686 %

2. Logistic Regression (Iterate till convergence)

Correctly Classified Instances 335 69.6466 %

Incorrectly Classified Instances 146 30.3534 %

100 Iterations:

Correctly Classified Instances 356 74.0125 %

Incorrectly Classified Instances 125 25.9875 %

3. Multilayer Perceptron (Default settings)

Correctly Classified Instances 442 91.8919 %

Incorrectly Classified Instances 39 8.1081 %

Hidden Layers – 10,2

Correctly Classified Instances 349 72.5572 %

Incorrectly Classified Instances 132 27.4428 %

Hidden Layers – 5,5,5,4

Learning rate – 0.1

Correctly Classified Instances 349 72.5572 %

Incorrectly Classified Instances 132 27.4428 %

Hidden Layers – 5,5,5,4

Learning rate – 0.5

Correctly Classified Instances 349 72.5572 %

Incorrectly Classified Instances 132 27.4428 %

Hidden Layers – 5,5,5,4

Learning rate – 0.01

Correctly Classified Instances 349 72.5572 %

Incorrectly Classified Instances 132 27.4428 %

Hidden Layers – 5,5,5,4

Learning rate – 1

Correctly Classified Instances 340 73.4341 %

Incorrectly Classified Instances 123 26.5659 %

Hidden Layers – 5,5,5,4

Learning rate – 1

Momentum – 0.6

Correctly Classified Instances 340 73.4341 %

Incorrectly Classified Instances 123 26.5659 %

Hidden Layers – 5,5,5,4

Learning rate – 1

Momentum – 1

Correctly Classified Instances 340 73.4341 %

Incorrectly Classified Instances 123 26.5659 %

Hidden Layers – 5,5,5,4

Learning rate – 1

Momentum – 1

No of iterations – 1000

Correctly Classified Instances 340 73.4341 %

Incorrectly Classified Instances 123 26.5659 %

Hidden Layers – 5,5,5,4

Learning rate – 1

Momentum – 1

No of iterations – 200

Correctly Classified Instances 340 73.4341 %

Incorrectly Classified Instances 123 26.5659 %

Hidden Layers – 5,5,5,5,5,5

Learning rate – 0.1

Correctly Classified Instances 340 73.4341 %

Incorrectly Classified Instances 123 26.5659 %

Hidden Layers – 5,5,5,5,5,5

Learning rate – 0.5

Correctly Classified Instances 340 73.4341 %

Incorrectly Classified Instances 123 26.5659 %

Hidden Layers – 5,5,5,5,5,5

Learning rate – 1

Correctly Classified Instances 340 73.4341 %

Incorrectly Classified Instances 123 26.5659 %

Hidden Layers – 5,5,5,5,5,5,5,5,5

Learning rate – 0.1

Correctly Classified Instances 340 73.4341 %

Incorrectly Classified Instances 123 26.5659 %

Hidden Layers – 10,10,10

Learning rate – 0.1

Correctly Classified Instances 463 100 %

Incorrectly Classified Instances 0 0 %

Hidden Layers – 100

Learning rate – 0.1

Correctly Classified Instances 463 100 %

Incorrectly Classified Instances 0 0 %