Vectorized Newton's Method:

Number of iterations = 10
Elapsed time is 1.634047 seconds.
Gradient(10th Iteration) = [-4.8000e-17   -5.8290e-15   -7.6050e-15]
Theta(10th Iteration) = [-16.3787   0.1483   0.1589]

For, Data Set Row [1 20 80],
z = [1 20 80] * theta';   % Theta(10th Iteration)
Sigmoid Function, h = 1.0 / 1.0 + exp(-z);
Probability = 1-h
Probability = 0.6680

Cost Function, 1st 10 iterations =
J(1) = 0.6931
J(2) = 0.4409
J(3) = 0.4089
J(4) = 0.4055
J(5) = 0.4054
J(6) = 0.4054
J(7) = 0.4054
J(8) = 0.4054
J(9) = 0.4054
J(10) = 0.4054

Weights for First 10 Iterations,
Theta(1) = -9.0803   0.0832   0.0880
Theta(2) = -13.8500   0.1252   0.1348
Theta(3) = -16.0217   0.1450   0.1556
Theta(4) = -16.3711   0.1483   0.1588
Theta(5) = -16.3787   0.1483   0.1589
Theta(6) = -16.3787   0.1483   0.1589
Theta(7) = -16.3787   0.1483   0.1589
Theta(8) = -16.3787   0.1483   0.1589
Theta(9) = -16.3787   0.1483   0.1589
Theta(10) = -16.3787   0.1483   0.1589

Non Vectorized Newton's Method:

Number of iterations = 150000
Elapsed time is 26.981770 seconds.
Theta(150000th Iteration) = [-16.0562   0.1452   0.1559]

For, Data Set Row [1 20 80],
z = [1 20 80] * theta';   % Theta(150000th Iteration)
Sigmoid Function, h = 1.0 / 1.0 + exp(-z);
Probability = 1-h
Probability = 0.6630

Gradient(150000th Iteration) = [1.9930e-04   0   0]

Cost function = minimum value 0.4055 and maximum value 0.6931 out of 150000 Iteration.
Cost Function, 1st 10 iterations =
J(1) = 0.6931
J(2) = 0.6927
J(3) = 0.6924
J(4) = 0.6920
J(5) = 0.6917
J(6) = 0.6915
J(7) = 0.6912
J(8) = 0.6910
J(9) = 0.6908
J(10) = 0.6906

Weights for First 10 Iterations,
Theta(1) =   0   8.3550e-05   0
Theta(2) =   -1.0520e-04   1.6160e-04   7.8000e-05
Theta(3) =   -3.0780e-04   2.3470e-04   1.5130e-04
Theta(4) =   -6.0040e-04   3.0300e-04   2.2020e-04
Theta(5) =   -9.7640e-07   3.6700e-07   2.8510e-07
Theta(6) =   -1.4000e-06   4.0000e-07   3.0000e-07
Theta(7) =   -2.0000e-06   5.0000e-07   4.0000e-07
Theta(8) =   -2.5000e-06   5.0000e-07   5.0000e-07
Theta(9) =   -3.2000e-06   6.0000e-07   5.0000e-07
Theta(10) =   -3.9000e-06   6.0000e-07   6.0000e-07