LOGISTIC REGRESSION
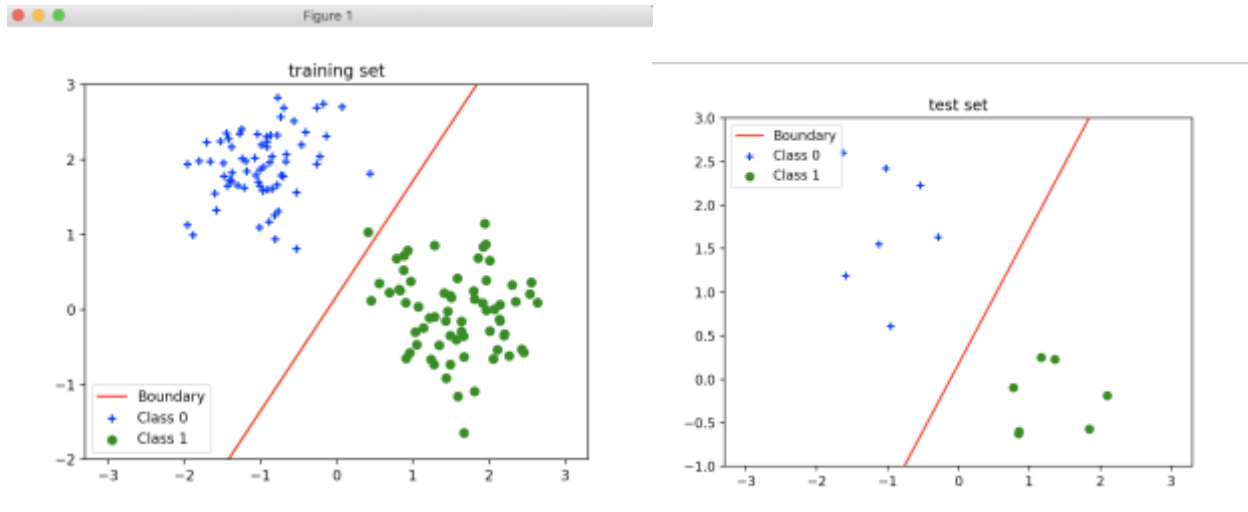
For dataset 1

Output:
Lambda after Cross validation= 0.01
The weight vector is= [[0.14160958 1.08597342 -0.71618633]]
Cost is= [[0.17377428]]

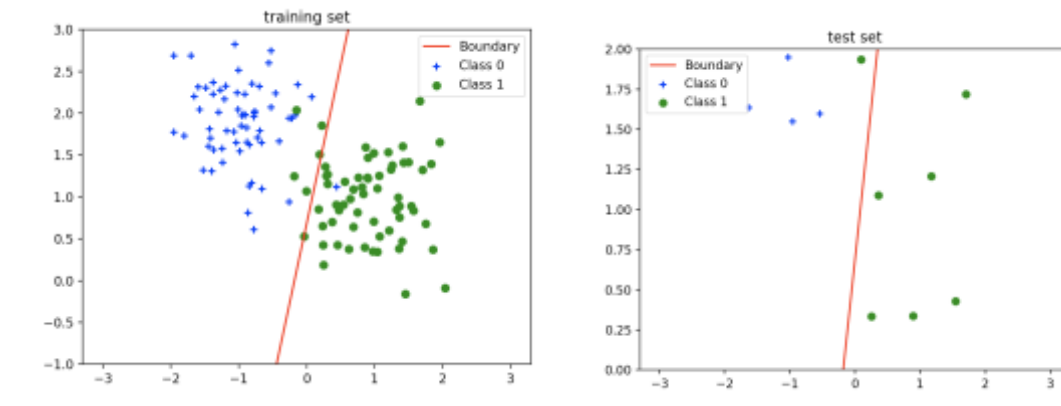FOR TEST SET
Miss-classified points: 1
The classification error percent is: 0.74%

FOR TRAINING SET
Miss-classified points: 0
The classification error percent is: 0.00%

For dataset 2

Output:
Lambda after Cross validation= 0.01
The weight vector is= [[0.22137998 1.2214325 -0.32204847]]
Cost is= [[0.30904667]]

FOR TEST SET
Miss-classified points: 6
The classification error percent is: 4.76%

FOR TRAINING SET
Miss-classified points: 1
The classification error percent is: 7.14%