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PES71
ECE1395
                                             Problem Set 3
        Size of matrix X =
        Size of vector y =
1A)
1D) The figure reaches 0.9 at 2.2.
        cost of toy data is [1.12692801]
1E)
        Optimized values for theta = [-26.66305581
Cost of optimzed values = [0.19837455]
                                                                 0.22637894
                                                                                0.20843114]
1F)
         Model accuracy = 0.9
The admission probability = 0.647182670742156
         Student should be admitted
11)
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Thetas for homes versus profits = [2.19257089e+05 -7.75887394e+02 <u>1</u>.06170516e+01]

2A)