Hw3_report
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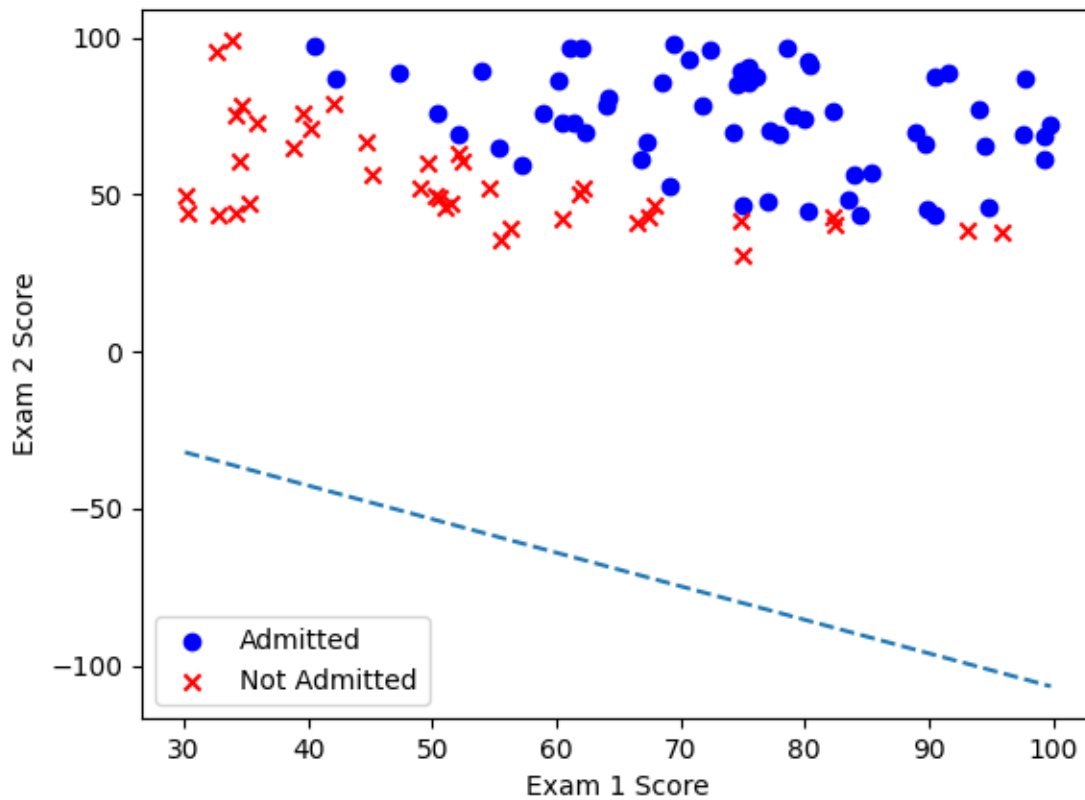
1a: X[100][3], Y[100][1]

1d: gz = .9 when z = 2.24

1e: cost = 1.12692801

1f: final theta: [0.00625781 0.72544   0.70270737]

cost with final theta: 0.0

The shape of my line seems to be right but it misses the data set, I'm not sure what causes this problem but I will make sure to get clarification in office hours at some point.

As a result of my inability to figure out this issue I did not feel I could complete 1h, or 1i

2a: theta = [2.19256629e-01 -7.75886157e-04 1.06170508e-05]