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Dr. Dallal

ECE 1395

26 September 2021

1.a)

sizeFeature =

100 x 3

sizeLabel =

100 x 1

1.b) Figure ps3-1-b.png

Chart, scatter chart

Description automatically generated

1.d) Figure ps3-1-c.png

Chart, line chart

Description automatically generated

1.e)

J =

0.6931

1.f)

theta =

-23.8263

0.1991

0.1884

cost =

0.2094

1.g) Figure ps3-1-f.png

Chart, scatter chart

Description automatically generated

1.h)

Accuracy = 89/100 = 89%

1.i)

prob =

0.5446

The admission decision should be **admitted.**

2.a)

theta =

1.0e+05 \*

2.1879

-0.0077

0.0001

2.b) Figure ps3-2-b.png

Chart, scatter chart

Description automatically generated