



vboxuser@Ubuntu22: ~/Desktop



vboxuser@Ubuntu22:~/Desktop\$./a.out

MENU:

1-) ***** EXPLORE DATA *****

2-) ***** TRAIN MODEL *****

3-) ***** TEST MODEL *****

4-) ***** EXIT *****

Enter Operation:

MENU

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- 1-) ***** EXPLORE DATA *****
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Enter Operation: 1

Minimum and Maximum X and Y values:

Class 0: X in [1 48], Y in [3 45]

Class 1: X in [5 49], Y in [0 49]

CASE 1

MENU:

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Enter Operation: 2

xMin: 1, xMax: 49

yMin: 0, yMax: 49

Separator coordinates: X= 15, Y=27

Training error of the model= 14

Labels of the regions: R1 = 0, R2 = 1, R3 = 1, R4 = 0

CASE 2

MENU:

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- 4-) ***** EXIT *****

Enter Operation: 3

X: 15, Y: 20 label: 1, predicted label: 1
X: 33, Y: 8 label: 0, predicted label: 0
X: 41, Y: 47 label: 1, predicted label: 1
X: 10, Y: 27 label: 1, predicted label: 1
X: 29, Y: 38 label: 1, predicted label: 1
X: 13, Y: 47 label: 0, predicted label: 0
X: 32, Y: 16 label: 0, predicted label: 0
X: 13, Y: 24 label: 0, predicted label: 1
X: 40, Y: 6 label: 0, predicted label: 0
X: 21, Y: 29 label: 1, predicted label: 1
X: 33, Y: 44 label: 1, predicted label: 1
X: 3, Y: 36 label: 1, predicted label: 0

Truly predicted 10 in 12.

Succes Rate: %83.33

%%%%%%%%%

CASE 3

X: 26, Y: 31, Class: 1
X: 27, Y: 15, Class: 0
X: 22, Y: 48, Class: 1
X: 13, Y: 27, Class: 1
X: 27, Y: 27, Class: 0
X: 25, Y: 32, Class: 1
X: 3, Y: 30, Class: 0
X: 5, Y: 8, Class: 1
X: 41, Y: 45, Class: 1
X: 23, Y: 29, Class: 1
X: 29, Y: 12, Class: 0
X: 10, Y: 43, Class: 0
X: 45, Y: 5, Class: 0

MENU:

- 1-) ***** EXPLORE DATA *****
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- 3-) ***** TEST MODEL *****
- 4-) ***** EXIT *****

Enter Operation: 4

Exiting...

CASE 4