

Report

Specification of the ANN used for this assignment is specified below-
Layers=

Layer1- 11x6 Sigmoid

Layer2- 6x5,Sigmoid

Layer3- 5x4,Sigmoid

Layer4- 5x1, Sigmoid

Epoch- 10000

Features=. [0:-1]

Target=. [-1]

Encoding= {3:'o', 4:'l'}

Scaling= [10,11] and rest of the consequential feature columns

Test data-= 20 percent

Confusion_matrix=

```
[ [ 1387    33 ]
  [  323    57 ] ]
```

Accuracy calculated= 0.8022222222222222(80.2%)

Classification report=

	precision	recall	f1-score	support
0.0	0.81	0.98	0.89	1420
1.0	0.63	0.15	0.24	380
avg / total	0.77	0.80	0.75	1800

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