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| --- | --- | --- | --- | --- | --- |
|  | Configuration | Precision | Recall | F1 Score | Accuracy |
| ANN -1 | 9 x 7 Sigmoid  7 x 5 Sigmoid  5 x 1 Sigmoid  Epoch = 10000  Features = [2,3,5,6,7,8,9,10,11]  Target = [-1]  Encoding = {‘3’:’l’}  Scaling = [2,3,5,6,7,8,9,10,11] | Training : 0.63105  Testing : 0.58305 | Training : 0.5146  Testing :0.47513 | Training : 0.566  Testing : 0.52 | Training : 0.839722  Testing: 0.826111 |
| ANN - 2 | 9 x 6 Relu  6 x 6 Relu  6 x 1 Sigmoid  Epoch 500  Features = [2,3,5,6,7,8,9,10,11]  Target = [-1]  Encoding = {‘3’:’l’}  Scaling = [2,3,5,6,7,8,9,10,11] | Training: 0.3636  Testing 0.41 | Training:0.01875  Testing:0.026 | Training:0.0356687  Testing:0.0499 | Training : 0.78972  Testing : 0.81 |
| ANN – 3 | 9 x 4 Sigmoid  4 x 8 Sigmoid  8 x 4 Sigmoid  4 x 1 Sigmoid  Epoch 1000  Features = [2,1,7,11,3,4,5,6,8]  Target = [-1]  Encoding = {1:’l’,4:’l’,3:’o’}  Scaling = [7,11] | Training : 0  Testing : 0 | Training : 0  Testing: 0 | Training : 0  Testing: 0 | Training :0.793 Testing: 0.78 |