AIML ASSIGNMENT

We are generating random input files for every execution i.e 100 random for training and 50 random for testing on the basis of time.

So our output is hugely depended on the randomness of the input data.

For e.x the weight we get on one training set gives mean error for test set as follows:-

2 Layers :- 3.510425

3 Layers :- 3.187500

4 Layers :- 3.260682

5 Layers :- 3.386555

So on the basis of above observation we conclude that increasing the hidden layers more than 3 does overfitting and less than 3 does underfitting.

Therefore, 3 is the optimum nodes required in this set to give the best results.

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