Machine Learning
Assignment

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Github Link : aquris/Machine_Learinig_ANN (github.com)

Algorithmic steps:

1). Reading the dataset from `dataset.txt`

2). Labeling of the different categorical features (`'a1','a2','a3','a4','a5','a6','d1','d2'`) using binary identifiers [1,0]. Changing Yes to '1' and No to '0' for classification.

3) Normalising the dataset.

4) Taking training set upto 101 and rest is for testing.

3). Performing the forward and backward pass and report the weight matrices for the first three iterations.

4). Training the model for 50 epochs and then output the accuracy of the model on the test set.

5). Repeating the above steps for two hidden layers with 5 and 10 nodes by using the linear and sigmoid activation with two hidden layers.