ML- WEEK - 6

1. Evaluate the performance of a classifier **without and with PCA** on any dataset of your choice and tabulate the metrics for comparison: Accuracy, precision, Recall, F1-score, Specificity, ROC curves, Confusion matrix, etc.,
2. Implement **Perceptron** learning for the basic logical operations **AND, OR, XOR** for a two input binary classification problem and tabulate the initial and the final weight vectors and present your observations for XOR.
3. Prove that MLP with a two input, 1 hidden layer network, can solve the XOR problem.

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