Assignment Number 3

Results Visualization

Results visualization and their representation is an important part of machine learning and data science algorithms. They help to understand the outcome of the algorithm and also help to interpret results produced for a specific problem. In this assignment you will practice results visualization techniques that are already available through existing techniques.

You are required to further extend assignment number 2 and display visualization of the produced results. Some commonly used performance measures in machine learning and data science are:

* Accuracy
* Precision
* Recall
* F measure
* F1 Sore
* Roc Curves
* Confusion matrix
* True Positive Rate
* False Positive Rate
* Sensitivity
* Specificity

Please calculate all the performance measures for both binary and multi-classification problem of Assignment 2. Generate graphs as much as possible using existing libraries as was discussed during the lecture. You are free to use any library.

Please write your code in python (Colab) and make sure that the code is fully commented. Please submit only .ipynb file.

Please let me know if you face any problem or have any kind of query either by email or call or in the Q/A session.