ML- WEEK - 5

Implementing <u>classifiers</u> and evaluate their performance using Scikit-Learn with python

1. Implement simple **Logistic Regression** as a **binary classifier** on at least two standard datasets of your choice or any synthetic data as well.
2. Evaluate the **performance of the classifier by tabulating metrics:** Accuracy, precision, Recall, F1-score, Specificity, ROC curves, Confusion matrix, etc.,

Refer to Tutorials supplied:

3. Implement a **Gaussian Naiive Bayes** model for **binary classification** and compare its results with the **Logistic regression** on the same dataset.

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Start your preparation for Mini Project proposal.