

Topic : Handwritten Text Recognition using KNN

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AIM:

Train your model for $K = 3, 5, 7, 9, 11$ or any 5 'K' values using KNN classifier on the following training data: Training Dataset to be used: train.csv

Test your trained model on the following data set and create a confusion matrix for the same: Test Dataset to be used: test.csv Also evaluate the testing performance of your model using precision, recall, and F1 score.

SOLUTION:

In this model, I have implemented KNN(K- Nearest Neighbor), and evaluated the accuracy, precision, recall, F1 score and Confusion matrix for the same using sklearn library.

I evaluated these using five values for $K = 3, 5, 7, 9, 11$.