

Handwritten Text Recognition using KNN

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:

I used sklearn library to implement KNN, and evaluate the accuracy, precision, recall, F1 score and Confusion matrix.

I evaluated these using five values for K i.e. 3,5,7,9,11.