21419CMP007

Assignment 10: Spam Filter using support Vector Machine Steps!

(1) Load the required libraries

(ii) Import the dataset.

(iii) Seperations the data into Independent and depolar variables.

(iv) Split the datuset Into testing and training cet

(a) Find the Optional hyperplane as

(A) For each line separating the two classes find the points closest to the line from both classes There points are support vactors.

(B) Calculate the Euclidean Distance between

the points le supposet vectors.

(c) Front the line with maximum movegion value.

(D) This line makes the Optimal hyprophe

(hi) Prodict class value for X-test using tornined model

(Vii) Compute the Accuracy and Classification Report & the Accuracy and Classification Report & the Confusion matrix.