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CS 4435

April 4th, 2020

Project 2 Report

a)

Neural Network – Multilayer Perceptron

Classification Report				
	Precision	Recall	f1-score	support
accuracy			0.74	7532
Macro avg	0.74	0.73	0.73	7532
Weighted avg	0.75	0.74	0.74	7532

Runtime: 496.7281665802002 s

Support Vector Machine

Classification Report				
	Precision	Recall	f1-score	support
accuracy			0.59	7532
Macro avg	0.59	0.57	0.57	7532
Weighted avg	0.59	0.57	0.57	7532

Runtime: 75.1466920375824 s

b) The feature size I used for the neural network and SVM algorithm was 52,140. The same size as the bag of words.

c. The library I used for the neural network and SVM classifications was **Scikit Learn**.