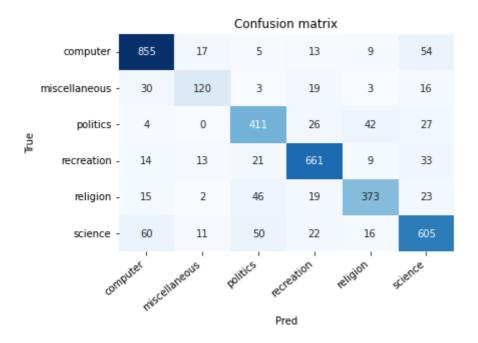
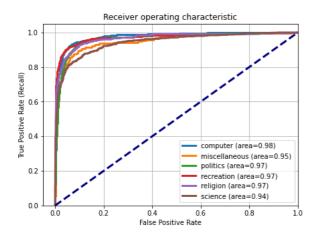
IDF_word2vec Note

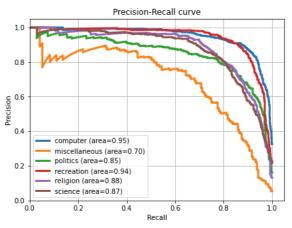
window size = 9

LR:

Accuracy: 0.83 Auc: 0.96 Detail:	precision	recall	f1-score	support
	precision	recarr	11-30016	Suppor C
computer	0.87	0.90	0.89	953
miscellaneous	0.74	0.63	0.68	191
politics	0.77	0.81	0.79	510
recreation	0.87	0.88	0.87	751
religion	0.83	0.78	0.80	478
science	0.80	0.79	0.80	764
			0.03	2647
accuracy			0.83	3647
macro avg	0.81	0.80	0.80	3647
weighted avg	0.83	0.83	0.83	3647

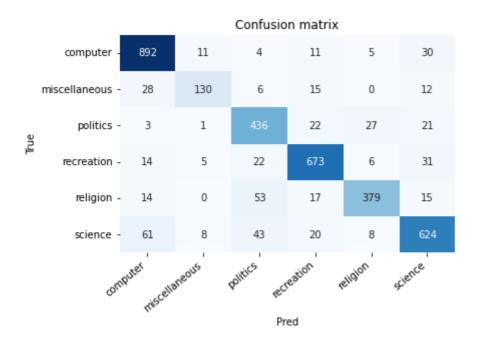


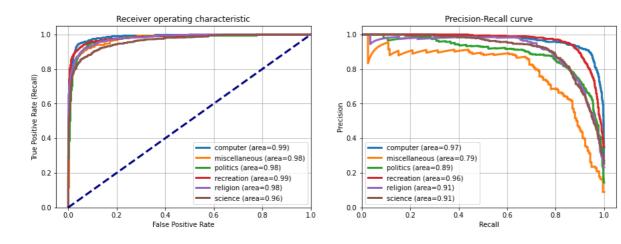




SVM:

Accuracy: 0.86 Auc: 0.98 Detail:					
	precision	recall	f1-score	support	
computer	0.88	0.94	0.91	953	
miscellaneous	0.84	0.68	0.75	191	
politics	0.77	0.85	0.81	510	
recreation	0.89	0.90	0.89	751	
religion	0.89	0.79	0.84	478	
science	0.85	0.82	0.83	764	
accuracy			0.86	3647	
macro avg	0.85	0.83	0.84	3647	
weighted avg	0.86	0.86	0.86	3647	

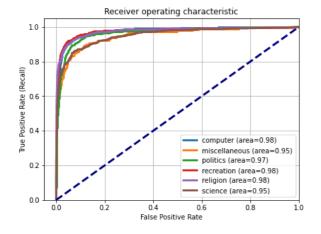


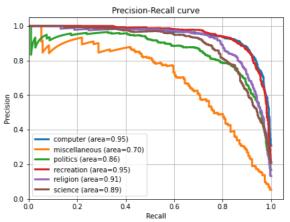


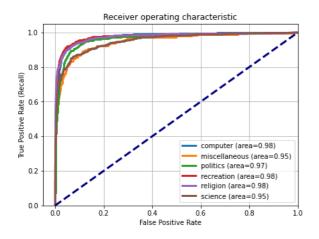
window size = 38

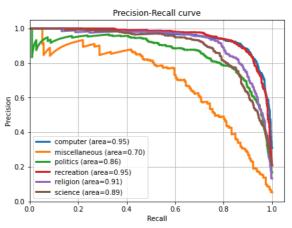
LR:

Accuracy: 0.84				
Auc: 0.97				
Detail:				
	precision	recal1	f1-score	support
computer	0.88	0.89	0.88	953
miscellaneous	0.67	0.63	0.65	191
politics	0.78	0.81	0.80	510
recreation	0.88	0.88	0.88	751
religion	0.85	0.84	0.84	478
science	0.82	0.81	0.81	764
accuracy			0.84	3647
macro avg	0.81	0.81	0.81	3647
weighted avg	0.84	0.84	0.84	3647



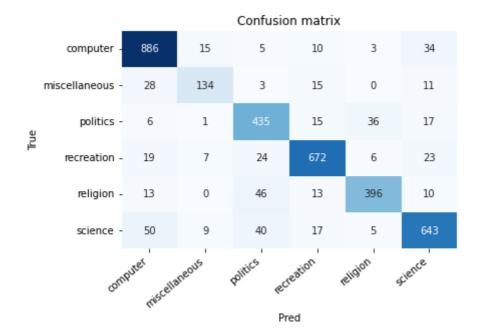


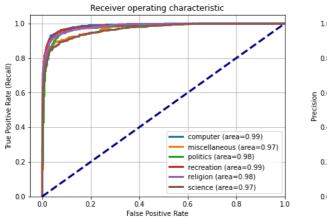


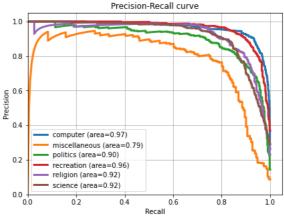


SVM:

Accuracy: 0.87	,			
Auc: 0.98				
Detail:				
	precision	recal1	f1-score	support
computer	0.88	0.93	0.91	953
miscellaneous	0.81	0.70	0.75	191
politics	0.79	0.85	0.82	510
recreation	0.91	0.89	0.90	751
religion	0.89	0.83	0.86	478
science	0.87	0.84	0.86	764
accuracy			0.87	3647
macro avg	0.86	0.84	0.85	3647
weighted avg	0.87	0.87	0.87	3647



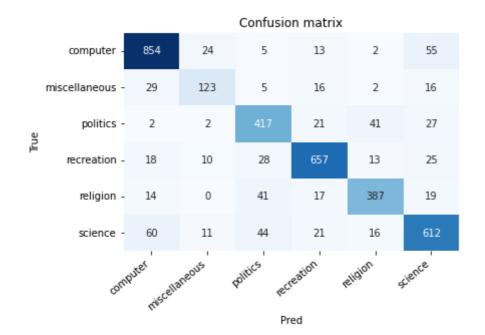


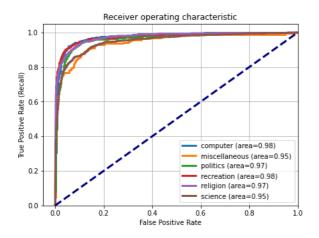


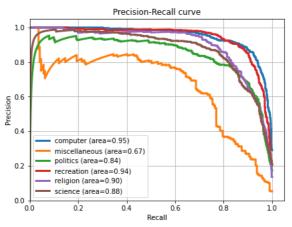
window size = 75

LR:

Accuracy: 0.84 Auc: 0.96 Detail:					
	precision	recall	f1-score	support	
computer	0.87	0.90	0.88	953	
miscellaneous	0.72	0.64	0.68	191	
politics	0.77	0.82	0.79	510	
recreation	0.88	0.87	0.88	751	
religion	0.84	0.81	0.82	478	
science	0.81	0.80	0.81	764	
accuracy			0.84	3647	
macro avg	0.82	0.81	0.81	3647	
weighted avg	0.84	0.84	0.84	3647	







SVM:

Accuracy: 0.87 Auc: 0.98 Detail:					
	precision	recal1	f1-score	support	
computer	0.88	0.93	0.91	953	
miscellaneous	0.84	0.70	0.77	191	
politics	0.80	0.86	0.83	510	
recreation	0.89	0.89	0.89	751	
religion	0.89	0.82	0.85	478	
science	0.86	0.83	0.85	764	
accuracy			0.87	3647	
macro avg	0.86	0.84	0.85	3647	
weighted avg	0.87	0.87	0.87	3647	

