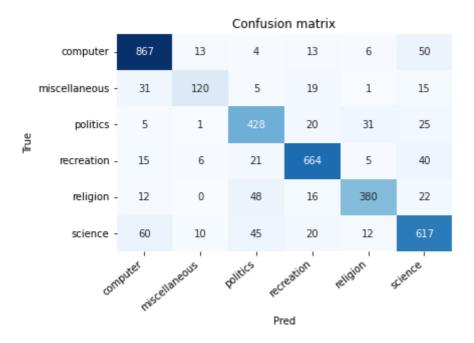
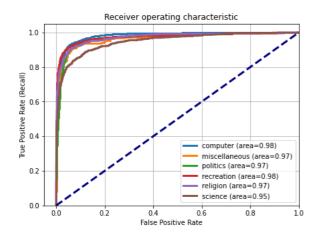
Avg_word2vec Note

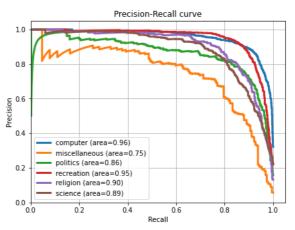
window size = 9

LR:

Accuracy: 0.84 Auc: 0.97 Detail:				
Decair.	precision	recall	f1-score	support
computer	0.88	0.91	0.89	953
miscellaneous	0.80	0.63	0.70	191
politics	0.78	0.84	0.81	510
recreation	0.88	0.88	0.88	751
religion	0.87	0.79	0.83	478
science	0.80	0.81	0.80	764
accuracy			0.84	3647
macro avg	0.84	0.81	0.82	3647
weighted avg	0.84	0.84	0.84	3647

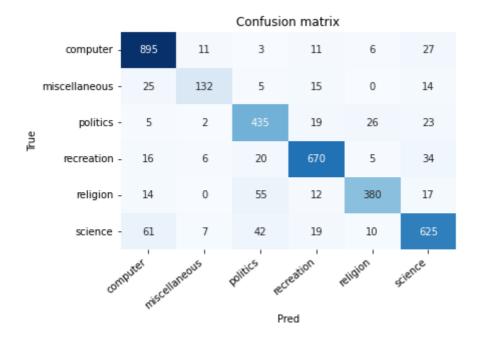


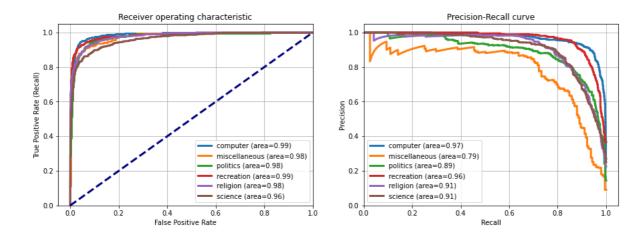




SVM:

Accuracy: 0.86	;			
Auc: 0.98				
Detail:				
	precision	recal1	f1-score	support
computer	0.88	0.94	0.91	953
miscellaneous	0.84	0.69	0.76	191
politics	0.78	0.85	0.81	510
recreation	0.90	0.89	0.90	751
religion	0.89	0.79	0.84	478
science	0.84	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

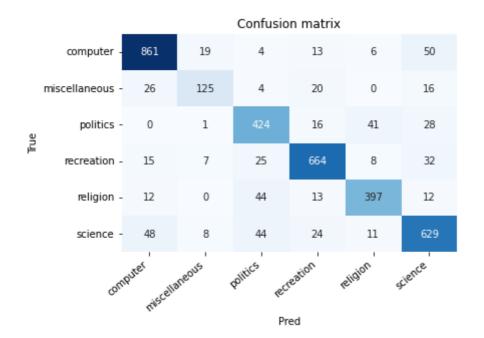


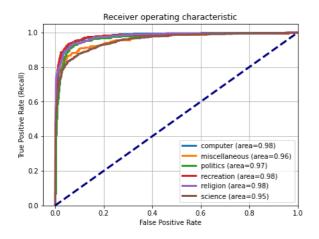


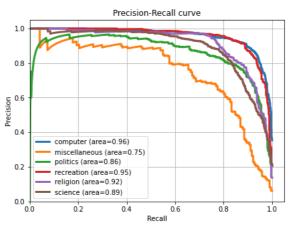
window size = 38

LR:

Accuracy: 0.85 Auc: 0.97 Detail:				
	precision	recall	f1-score	support
computer	0.90	0.90	0.90	953
miscellaneous	0.78	0.65	0.71	191
politics	0.78	0.83	0.80	510
recreation	0.89	0.88	0.88	751
religion	0.86	0.83	0.84	478
science	0.82	0.82	0.82	764
accuracy			0.85	3647
macro avg	0.84	0.82	0.83	3647
weighted avg	0.85	0.85	0.85	3647

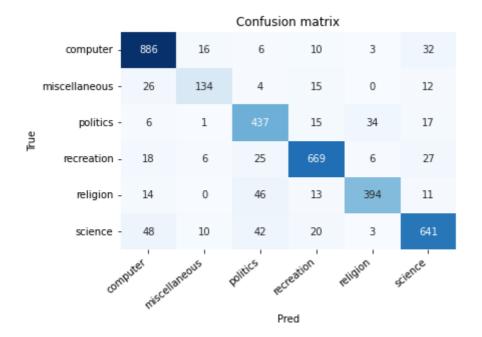


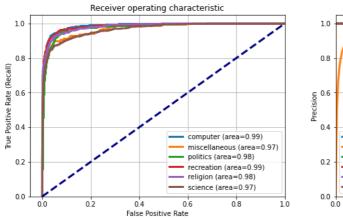


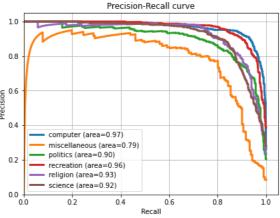


SVM:

Accuracy: 0.87	,			
Auc: 0.98				
Detail:				
	precision	recal1	f1-score	support
computer	0.89	0.93	0.91	953
miscellaneous	0.80	0.70	0.75	191
politics	0.78	0.86	0.82	510
recreation	0.90	0.89	0.90	751
religion	0.90	0.82	0.86	478
science	0.87	0.84	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



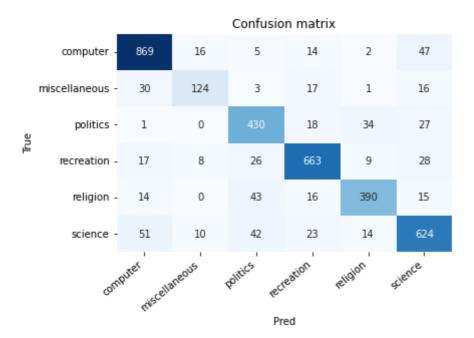


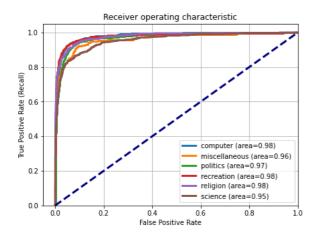


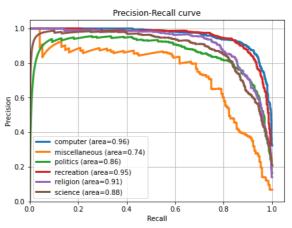
window size = 75

LR:

Accuracy: 0.85 Auc: 0.97 Detail:	precision	recall	f1-score	support
computer	0.88	0.91	0.90	953
miscellaneous	0.78	0.65	0.71	191
politics	0.78	0.84	0.81	510
recreation	0.88	0.88	0.88	751
religion	0.87	0.82	0.84	478
science	0.82	0.82	0.82	764
accuracy			0.85	3647
macro avg	0.84	0.82	0.83	3647
weighted avg	0.85	0.85	0.85	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	0.76	191
politics	0.80	0.85	0.83	510
recreation	0.90	0.90	0.90	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

