

Models	Precision	Recall	F1
H-LSTMs+supervised	0.9784	0.9466	0.9621
H-LSTMs	0.9638	0.9448	0.9542
Linear SVM+tfidf	0.9824	0.8856	0.9313
Linear SVM+embedding	0.9529	0.9206	0.9364
Linear SVM+tfidf+embedding	0.9837	0.9253	0.9536
Kernel SVM+tfidf	0.9684	0.8730	0.9180
Kernel SVM+embedding	0.9408	0.9141	0.9273
Kernel SVM+tfidf+embedding	0.9714	0.9174	0.9436