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NLP-Assignment-03

Table for Q1

Model	Num Layers	Dropout Rate	Accuracy	Precision	Recall	F1 score
RNN	2	0.3	0.526	0.81882	0.47668	0.59835
RNN	2	0.7	0.510	0.87208	0.55118	0.69288
RNN	2	0.7	0.500	0.50000	0.99278	0.67296
RNN	2	0.7	0.490	1.00000	0.97726	0.81626
RNN	2	0.7	0.480	1.00000	0.81726	0.85826
RNN	2	0.7	0.520	0.70000	0.80448	0.74607
RNN	2	0.7	0.470	0.67726	0.53382	0.60027
RNN	2	0.7	0.462	0.40000	0.40000	0.40000
RNN	2	0.7	0.452	0.41000	0.31708	0.35789
RNN	2	0.7	0.442	0.41000	0.30708	0.35712
RNN	2	0.7	0.430	0.42126	0.26082	0.32118
RNN	2	0.7	0.420	0.40000	0.25118	0.30100
RNN	2	0.7	0.410	0.38238	0.23382	0.28600
RNN	2	0.7	0.400	0.35726	0.21000	0.26627
RNN	2	0.7	0.392	0.40000	0.20448	0.23302
RNN	2	0.7	0.388	0.42000	0.19000	0.22222

For Q2 , since we choose RNN with
 Num layer = 3
 Drop out rate =0.3

	RNN (without embeddings)	RNN with WordToVec	RNN with Fasttext	RNN with Elmo
FScore	0.67	0.015	0.13	0.50
Precision	0.5	0.5	0.58	0.48
Recall	0.99	0.007	0.07	0.52
Accuracy	0.58	0.492	0.50	0.46

