

SimpleRNN

MAXLEN	SPLIT_RATIO	ACCURACY
100	0.2	0.873016
100	0.3	0.852415
100	0.4	0.847597
150	0.2	0.867532
150	0.3	0.855878
150	0.4	0.843412
313	0.2	0.868398
313	0.3	0.844911
313	0.4	0.850772

Best parameters for SimpleRNN: maxlen: 100, split_ratio: 0.2

Best accuracy for SimpleRNN: 0.8730158805847168

LSTM

MAXLEN	SPLIT_RATIO	ACCURACY
100	0.2	0.872439
100	0.3	0.856071
100	0.4	0.849185
150	0.2	0.87013
150	0.3	0.856263
150	0.4	0.852648
313	0.2	0.875036
313	0.3	0.857995
313	0.4	0.848752

Best parameters for LSTM: maxlen: 313, split_ratio: 0.2

Best accuracy for LSTM: 0.8750360608100891