

**Model Type MaxLen Accuracy Split**

RNN	100	0.7822	0.8
LSTM	100	0.7911	0.8
RNN	150	0.7400	0.8
LSTM	150	0.8000	0.8
RNN	200	0.7889	0.8
LSTM	200	0.7933	0.8

**Model Type MaxLen Accuracy Split**

RNN	100	0.7496	0.7
LSTM	100	0.7911	0.7
RNN	150	0.76	0.7
LSTM	150	0.7644	0.7
RNN	200	0.7007	0.7
LSTM	200	0.7674	0.7

The best result so far is **LSTM with MaxLen=150 (Accuracy: 0.8000)**

Model: "sequential"

Layer (type)	Output Shape	Param #
embedding (Embedding)	(None, 100, 100)	1,000,000
bidirectional (Bidirectional)	(None, 128)	21,120

Total params: 1,021,120 (3.90 MB)

Trainable params: 1,021,120 (3.90 MB)

Non-trainable params: 0 (0.00 B)

15/15 ————— 1s 25ms/step

✓ Finished: Split=0.8, MaxLen=100, Model=RNN, Accuracy=0.7822

Layer (type)	Output Shape	Param #
embedding (Embedding)	(None, 100, 100)	1,000,000
bidirectional (Bidirectional)	(None, 128)	84,480

Total params: 1,084,480 (4.14 MB)

Trainable params: 1,084,480 (4.14 MB)

Non-trainable params: 0 (0.00 B)

15/15 ————— 1s 55ms/step

✓ Finished: Split=0.8, MaxLen=100, Model=LSTM, Accuracy=0.7911

Layer (type)	Output Shape	Param #
embedding (Embedding)	(None, 100, 100)	1,000,000
bidirectional (Bidirectional)	(None, 128)	21,120

Total params: 1,021,120 (3.90 MB)

Trainable params: 1,021,120 (3.90 MB)

Non-trainable params: 0 (0.00 B)

15/15 ————— 1s 25ms/step

✓ Finished: Split=0.8, MaxLen=150, Model=RNN, Accuracy=0.7400

Layer (type)	Output Shape	Param #
embedding (Embedding)	(None, 100, 100)	1,000,000
bidirectional (Bidirectional)	(None, 128)	84,480

Total params: 1,084,480 (4.14 MB)

Trainable params: 1,084,480 (4.14 MB)

Non-trainable params: 0 (0.00 B)

15/15 ————— 2s 68ms/step

✓ Finished: Split=0.8, MaxLen=150, Model=LSTM, Accuracy=0.8000

Layer (type)	Output Shape	Param #
embedding (Embedding)	(None, 100, 100)	1,000,000
bidirectional (Bidirectional)	(None, 128)	21,120

Total params: 1,021,120 (3.90 MB)

Trainable params: 1,021,120 (3.90 MB)

Non-trainable params: 0 (0.00 B)

15/15 ————— 1s 27ms/step

✓ Finished: Split=0.8, MaxLen=200, Model=RNN, Accuracy=0.7889

Layer (type)	Output Shape	Param #
embedding (Embedding)	(None, 100, 100)	1,000,000
bidirectional (Bidirectional)	(None, 128)	84,480

Total params: 1,084,480 (4.14 MB)

Trainable params: 1,084,480 (4.14 MB)

Non-trainable params: 0 (0.00 B)

15/15 ————— 2s 84ms/step

✓ Finished: Split=0.8, MaxLen=200, Model=LSTM, Accuracy=0.7933

Layer (type)	Output Shape	Param #
embedding (Embedding)	(None, 100, 100)	1,000,000
bidirectional (Bidirectional)	(None, 128)	21,120

Total params: 1,021,120 (3.90 MB)

Trainable params: 1,021,120 (3.90 MB)

Non-trainable params: 0 (0.00 B)

22/22 ————— 1s 17ms/step

✓ Finished: Split=0.7, MaxLen=100, Model=RNN, Accuracy=0.7496

Layer (type)	Output Shape	Param #
embedding (Embedding)	(None, 100, 100)	1,000,000
bidirectional (Bidirectional)	(None, 128)	84,480

Total params: 1,084,480 (4.14 MB)

Trainable params: 1,084,480 (4.14 MB)

Non-trainable params: 0 (0.00 B)

22/22 ————— 2s 45ms/step

✓ Finished: Split=0.7, MaxLen=100, Model=LSTM, Accuracy=0.7911

Layer (type)	Output Shape	Param #
embedding (Embedding)	(None, 100, 100)	1,000,000
bidirectional (Bidirectional)	(None, 128)	21,120

Total params: 1,021,120 (3.90 MB)

Trainable params: 1,021,120 (3.90 MB)

Non-trainable params: 0 (0.00 B)

22/22 ————— 1s 20ms/step

✓ Finished: Split=0.7, MaxLen=150, Model=RNN, Accuracy=0.7600

Layer (type)	Output Shape	Param #
embedding (Embedding)	(None, 100, 100)	1,000,000
bidirectional (Bidirectional)	(None, 128)	84,480

Total params: 1,084,480 (4.14 MB)

Trainable params: 1,084,480 (4.14 MB)

Non-trainable params: 0 (0.00 B)

22/22 ————— 2s 51ms/step

✓ Finished: Split=0.7, MaxLen=150, Model=LSTM, Accuracy=0.7644

Layer (type)	Output Shape	Param #
embedding (Embedding)	(None, 100, 100)	1,000,000
bidirectional (Bidirectional)	(None, 128)	21,120

Total params: 1,021,120 (3.90 MB)

Trainable params: 1,021,120 (3.90 MB)

Non-trainable params: 0 (0.00 B)

22/22 ————— 1s 36ms/step

✓ Finished: Split=0.7, MaxLen=200, Model=RNN, Accuracy=0.7007

Layer (type)	Output Shape	Param #
embedding (Embedding)	(None, 100, 100)	1,000,000
bidirectional (Bidirectional)	(None, 128)	84,480

Total params: 1,084,480 (4.14 MB)

Trainable params: 1,084,480 (4.14 MB)

Non-trainable params: 0 (0.00 B)

22/22 ————— 2s 55ms/step

✓ Finished: Split=0.7, MaxLen=200, Model=LSTM, Accuracy=0.7674