HIDDEN\_LAYER\_SIZE = 195

TOP\_WORDS = 5000

MAX\_REVIEW\_LENGTH = 500

EMBEDDING\_VECTOR\_LENGTH = 128

BATCH\_SIZE = 32

NUMBER\_OF\_EPOCHS = 3

Evaluation:

F1 Score: 1.71

Accuracy: 56.59%

Validation:

F1 Score: 1.75

Accuracy: 53.48%

Getting percentage of correct guesses per political leaning...

Conservative Accuracy: 61.23188405797102 %

Liberal Accuracy: 52.45535714285714 %

HIDDEN\_LAYER\_SIZE = 250

TOP\_WORDS = 5000

MAX\_REVIEW\_LENGTH = 500

EMBEDDING\_VECTOR\_LENGTH = 128

BATCH\_SIZE = 32

NUMBER\_OF\_EPOCHS = 3

Evaluation:

F1 Score: 0.96

Accuracy: 55.69%

Validation:

F1 Score: 0.94

Accuracy: 55.65%Getting percentage of correct guesses per political leaning...

Conservative Accuracy: 59.42028985507246 %

Liberal Accuracy: 56.02678571428571 %

HIDDEN\_LAYER\_SIZE = 300

TOP\_WORDS = 5000

MAX\_REVIEW\_LENGTH = 500

EMBEDDING\_VECTOR\_LENGTH = 128

BATCH\_SIZE = 32

NUMBER\_OF\_EPOCHS = 3

Validation:

F1 Score: 0.90

Accuracy: 57.39%

Getting percentage of correct guesses per political leaning...

Conservative Accuracy: 57.065217391304344 %

Liberal Accuracy: 65.625 %

HIDDEN\_LAYER\_SIZE = 350

TOP\_WORDS = 5000

MAX\_REVIEW\_LENGTH = 500

EMBEDDING\_VECTOR\_LENGTH = 128

BATCH\_SIZE = 32

NUMBER\_OF\_EPOCHS = 3

Evaluation:

F1 Score: 0.88

Accuracy: 58.29%

Validation:

F1 Score: 0.93

Accuracy: 55.65%

TOP\_WORDS = 7500 did not go well