

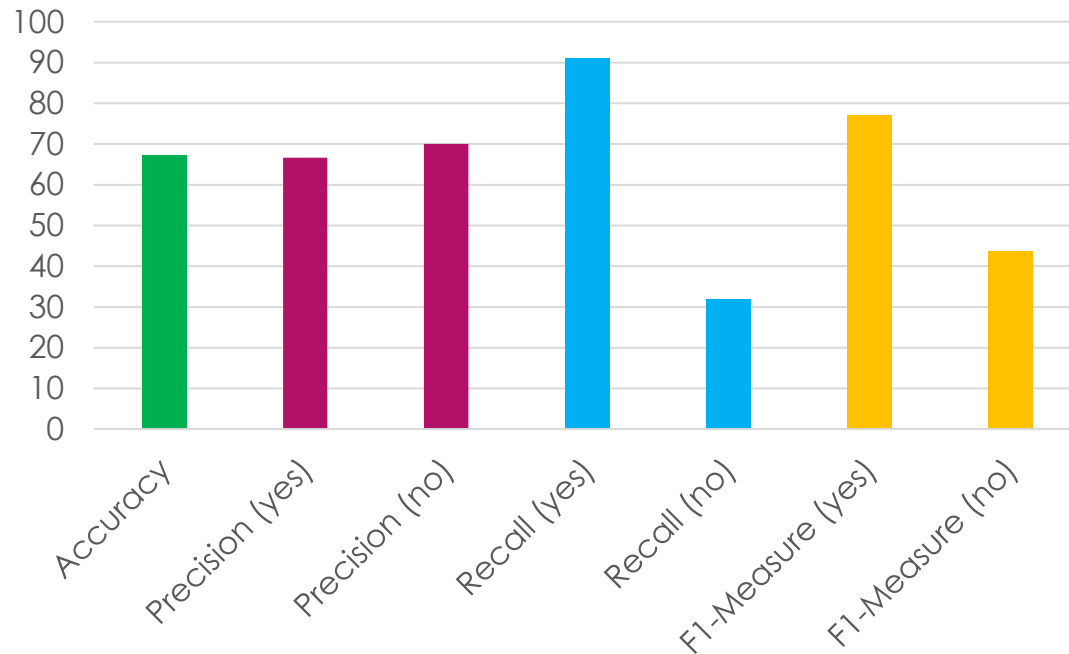
Assignment 3 analysis

Naïve Bayes performance

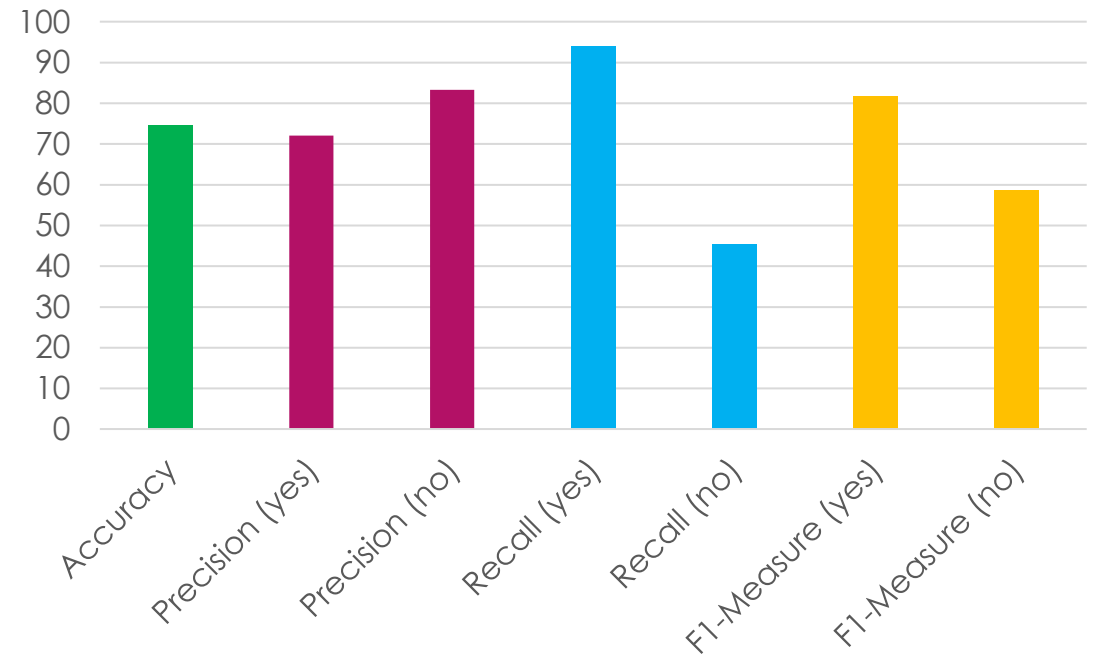
Vocabulary Size

- Original: 4304
- Filtered: 1193

Original Vocabulary

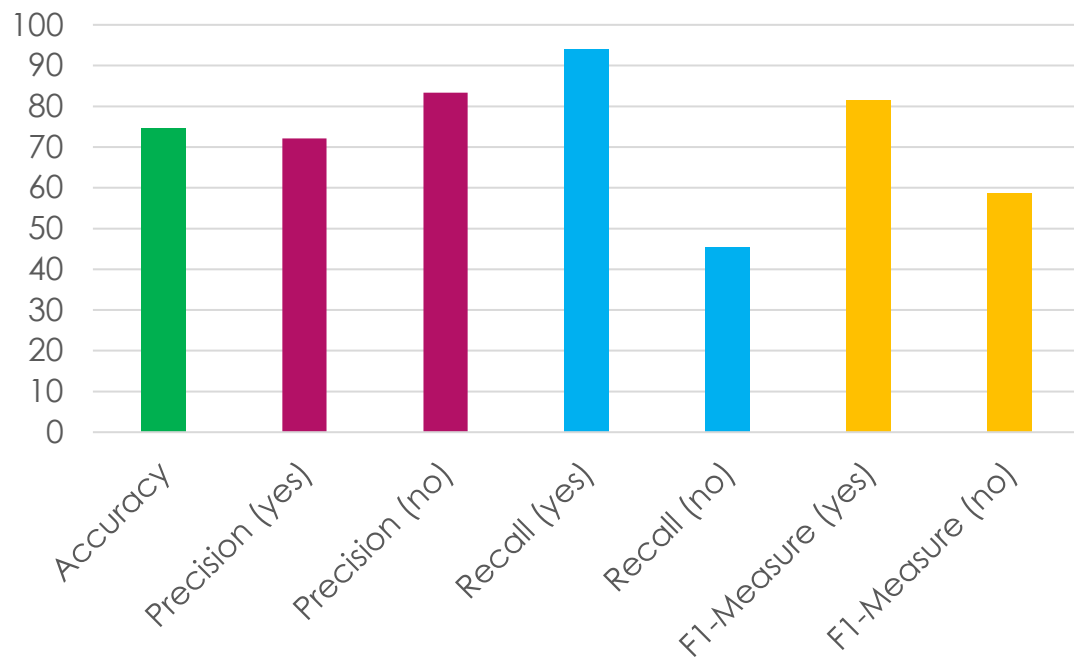


Filtered Vocabulary

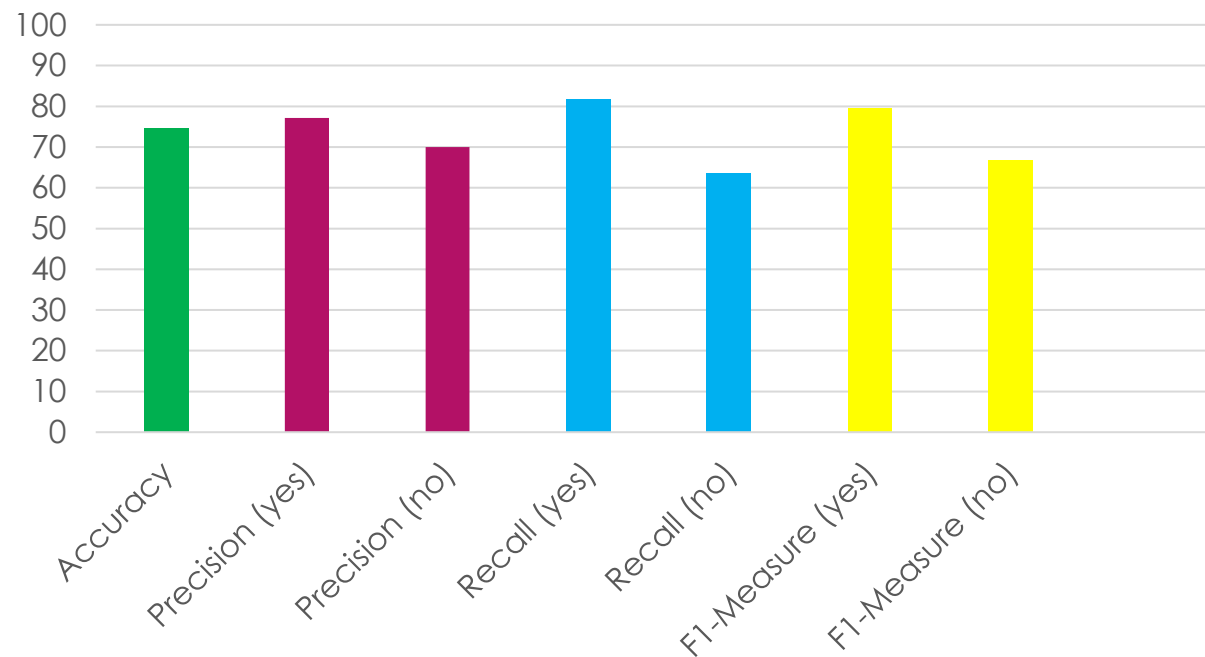


LSTM performance

Filtered Vocabulary



LSTM Performance



Conclusion

- ▶ LSTM model comparable to the filtered Naïve Bayes model
- ▶ Recall (no) significantly worse on every model, much better on LSTM
- ▶ Filtered vocabulary better in all metrics