

CHAPTER 6

CONCLUSION

From the experiment that has been conducted, a conclusion can be made that the Long Short Term Memory neural network is indeed much better than Convolutional Neural Network for textual sentiment analysis. LSTM performs much better because LSTM theoretically used to process and make predictions given sequences of data in contrast, a CNN is designed to exploit “spatial correlation” in data and works well on images and speech, and the theory is proven in this research.

For future research, it is suggested to use a much larger dataset and the dataset should be labeled evenly between each sentiment since in this research dataset the dataset was not evenly balanced between positive and negative. And it is recommended to use Bidirectional LSTM instead of regular LSTM since Bidirectional LSTM has been proven to perform much better and have better accuracy than regular LSTM.

