Sentiment Analysis for Reviews
(Progress Report)

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1   Current Progress

- I have read about the work [1] which is a classical work in sentiment analysis. It uses convolutional neural networks to take into account the word orders in the review texts for more accurate sentiment analysis. I have also dived into the implementation of this paper. Since there is no public offical representation for this paper, I would implement myself.

- I have got familiar with the IMDb dataset that I am going to use. It is a dataset that contains movie reviews which are either positive or negative. Only highly polarizing reviews are considered to avoid ambiguity.

2   Remaining Tasks

- Implement the model [1] myself.
- Evaluate on IMDb dataset and make analysis on the results.
- Think about ways to improve the model based on current designs.

3   Challenges and Issues

- There might be challenges to address the large-scale text information, as I have not handled large-scale text datasets for deep learning before.

4   Next Steps

- Implement the model.
- Evaluate on IMDb dataset or other datasets that are prevalently used in the task of sentiment analysis for reviews.

References

[1] R. Johnson and T. Zhang. Effective use of word order for text categorization with convolutional neural networks. In *NAACL*, 2015.