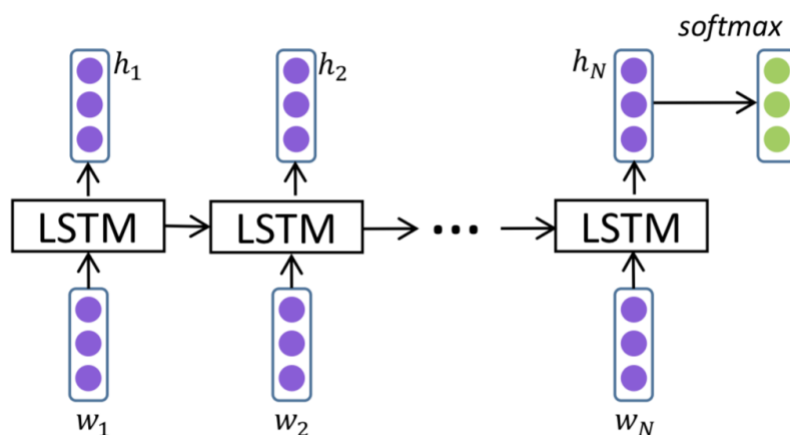


I implemented AT-LSTM based on the paper “Attention-based LSTM for Aspect-level Sentiment Classification” authored by Yequan Wang and Minlie Huang and Li Zhao* and Xiaoyan Zhu.

In the pre-process, I split the review into words to form list and strip away the punctuations while preserving the emotions. :)

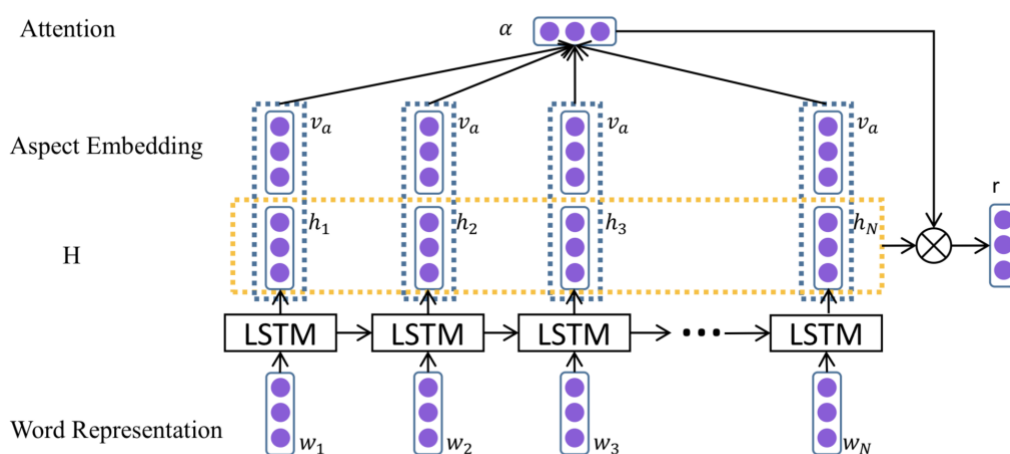
The basic structure of the sentiment classification :



I used about structure, the evaluation accuracy only can reach about 0.83

Then I switched to the so-called AT-LSTM structure:

I used this model because of the intention to capture the main points of the review.



Then its evaluation accuracy can reach about 0.85 and hopefully 0.86