Paper Title:
QuoteR: A Benchmark of Quote Recommendation for Writing

Paper Link:
https://aclanthology.org/2022.acl-long.27/

1 Summary

1.1 Motivation

The paper aims to focus on the recommendation of quotes that fits well in context. Also, this paper concentrates on quote recommendation in Twitter dialog treads. One of the main purposes is to recommend products in a structural way.

1.2 Contribution

This paper has the evaluation on various methods but chooses to stay in QuoteR. English, Standard Chinese and Classical Chinese are included in the new recommendation dataset.

1.3 Methodology

Many models are used in this paper but among them the BERT model encodes contexts and quotes into vector representations and finds similarity between query context and candidate quote. Then, convert the quote into a representation matrix and rank score. Here sememe knowledge is used which is very useful to increase the usefulness. In a dataset of three languages where different models are being used, the BERT-Sim model performs well among all other models.

1.4 Conclusion

In this paper, there was established an uncovered dataset for writing named QuoteR and conducted an extensive evaluation. There was also a unique model rather than other models that has higher effectiveness.

2 Limitations

2.1 First Limitation

First limitation of this paper is that the models that have been used could not give absolute quote recommendations when the sentence is too short. In this case, models fail to identify the sentiment of the sentence as the sentence is very much short.

2.2 Second Limitation

Second limitation of this paper is that the paper needs to make a QuoteR dataset as many datasets are closed and for this, many other quotes that the closed datasets have are unable to be found. Some quotes are missed for this reason.

3 Synthesis

In the future, the model can be enhanced by using a special classical Chinese pre-trained model. Also, the paper has improved by increasing the model's performance in the few-shot and zero-shot scenarios and can be used in these scenarios. Again, in future, in other languages, the model and process can be applied beside three languages.