Paper Report

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1 IBM models

2 Unsupervised Neural HMMs [2]

3 What does Attention in NMT pay Attention to ? [1]

3.1 Main idea

This research compares between Attention Models (Non-recurrent attention model and Input-feeding model) and Word soft Alignment. The result is that their differences depends on the word being generated.

3.2 How to compare ?

Higher consistency between Attention and Alignment leading to better translation.

References

[1] H. Ghader and C. Monz. What does Attention in Neural Machine Translation Pay Attention to? *ArXiv e-prints*, October 2017.

[2] M. Ke Tran, Yonatan Bisk, Ashish Vaswani, Daniel Marcu, and Kevin Knight. Proceedings of the workshop on structured prediction for nlp. pages 63–71. Association for Computational Linguistics, 2016.