CS288 Assignment 3: Word Alignment s

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Abstract

1 Word Alignment Overview

2 Alignment Models

We have implemented three alignment models: a heuristic model, an IBM-Model-1-based model [1], and an HMM-based model as proposed in [2].

2.1 Heuristic Model

The heuristic model aligns words by:

$$c(f, e)/(c(e) * c(f))$$

3 Experiments

4 Conclusion

References

[1] F. J. Och and H. Ney. A systematic comparison of various statistical alignment models. *Comput. Linguist.*, 29:19–51, March 2003.

[2] S. Vogel, H. Ney, and C. Tillmann. Hmm-based word alignment in statistical translation. In *Proceedings of the 16th conference on Computational linguistics - Volume 2*, COLING '96, pages 836–841, Stroudsburg, PA, USA, 1996. Association for Computational Linguistics.