

MT Homework 2

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1 Motivation

Align by agreement paper (<https://www.aclweb.org/anthology/N06-1014.pdf>).

Paper says to align by intersection. We tried intersection and union.

2 Description of Model or Algorithm

describe mathematically or algorithmically what you did. Your description should be clear enough that someone else in the class could implement it. What is your model? How did you optimize it? How did you align with it? What were the values of any fixed parameters you used?

3 Results

You most likely experimented with various settings of any models you implemented. We want to know how you decided on the final model that you submitted for us to grade. What parameters did you try, and what were the results? If you evaluated any qualities of the results other than AER, even if you evaluated them qualitatively, how did you do it? Most importantly: what did you learn?

Run for 1000 sentences of training.

Model	Iterations	AER	Precision	Recall
Dice	-	0.680563	0.247944	0.653846
Model 1	10	0.654485	0.484848	0.236686
Model 1	20	0.641068	0.498084	0.251479
Model 1	50	0.634841	0.509653	0.509653
Model 1 two-way intersection	gabe			
Model 1 two-way union	gabe			