Jacana Word Aligner

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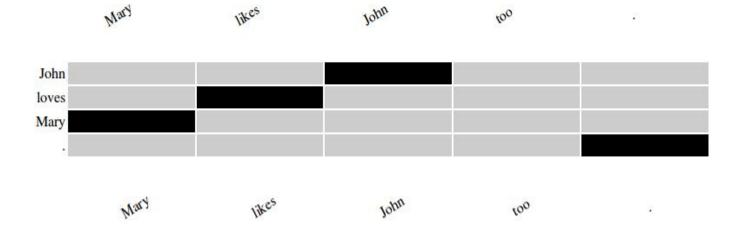
http://code.google.com/p/jacana

original monolingual aligner

Jacana Aligner

Enter Sentence 1: John loves Mary. Enter Sentence 2: Mary likes John too.

Align!



http://code.google.com/p/jacana

Objective

- Extend it to MT word alignment
 - focus on language:
 - need labeled word alignment data (German<->English, Chinese<->English, etc)
 - you know the source and target languages
 - write some simple feature functions
 - focus on programming:
 - incorporate jwktl, the java interface to wiktionary
 - incorporate some version of "EuroWordNet"

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Preliminary Results

- Used a standard French-English alignment dataset
 - state-of-the-art AER (alignment error rate) is
 7%
 - I'm getting 18%, with only features based on dictionary and string similarities
 - AER should get below 10% when:
 - using more language-dependent features
 - draw stats from parallel French-English corpus

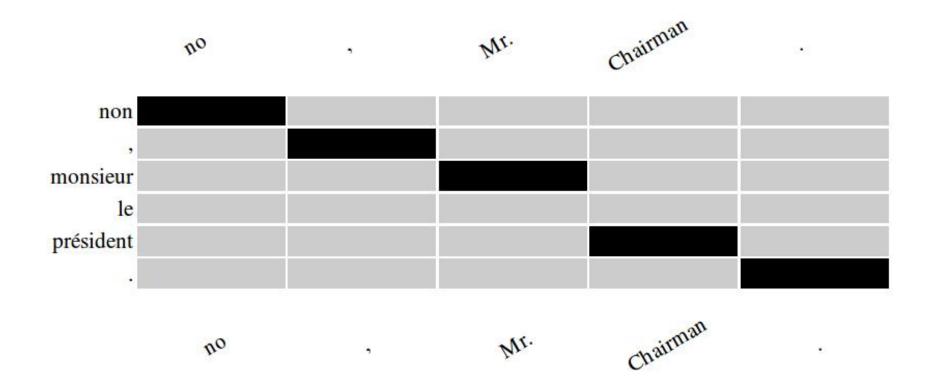
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Example Output



Work in progress

- source code online:
 - http://code.google.com/p/jacana-xy/
- working on integration with the Joshua decoder

Give it a try!

google "jacana align"

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