Mention Detection: Heuristics for the OntoNotes Annotations

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Overview

The system our submission was based on, Haghigi and Klein (2010), was designed to consider all non-trivial syntactic NPs. Here we present examples of the heuristic filters we introduced to determine which NPs fit the OntoNotes annotation scheme.

Approach

We construct the input mention set by extracting the maximal NP for each possible head, and applying filters to reject some mentions. After running the Haghigi and Klein (2010) system we use additional filters to reject mentions from the output.

Removed before resolution

- The case, Hodgson vs. Minnesota, will be argued Nov 29.
- Tribe, Gore's attorney, said the state court did nothing illegal.
- It was Justice Breyer who asked the most straightforward question of all.
- Although the picture generally looks pretty good, there is still much work to be done.
- Fangchenggang City is a recently established coastal open port city at the regional level approved by the State Council in May 1993.
- After all, come January, these people are going to have to be in Washington whether Gore or Bush is the President.

Removed after resolution

- Okay here's my problem.
- The Dow Jones industrials skidded 190.58, to 2569.26.
- Two were married on June twenty-fifth in Newport Rhode Island.
- The networks and studios have bickered ever since.
- It strives to desensitize people towards others' suffering by surrounding them with constant killing.

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Mention Detection Performance

Coreference Resolution F-score

P R F MUC B3 Ceaf-e Ceaf-m Blanc

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Non-Year Cardinal

Non-Year Cardinal

Non-Year Cardinal

EX Tag

WP Tag

Copular Verb

Copular Verb