Some recent work on frame semantics

Frame semantic parsing (sometimes called semantic role labeling) involves identifying the predicate argument structure of a sentence. For example in the sentence "I want to run a marathon.", "want" and "run" evoke frames, and the frame for "run" has the agent "I" and patient "a marathon". The frame for "run" in that sentence will be different from the frame for run in "I run the company". Frame semantic parsing is usually divided into frame identification and argument identification. I will present recent approaches from our group on each of these tasks: an embedding-based approach for frame identification, and a novel dynamic program for argument identification which allows computing posteriors and structured learning.

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