







NLP - What is it good for?

- Machine Translation
 - "Serves you right!"
 - AltaVista Babel Fish: "Services vous droit!"
 - Actual French Speakers: "Et toc! C'est bien fait pour toi!"
- Question/Answering
 - Who insulted Bush recently?
 - Sean Penn called the president our country's most devastating enemy.
 - Martin Sheen slammed the president yesterday for failing to tackle climate change.
 - A bush was recently insulted by an angry drunk.















"Learning By Reading"

- A hybrid branch of the NLP and ML communities
- Using some form of NLP, can a machine take raw text, and annotate it sufficiently in order to use the knowledge in the future?







Our Method: Step 3

- The property/value pairs are accumulated, and are filtered.
- A similarity metric is used to find a "hook" in the ontology for the candidate.
- The candidate is appended to the ontology, and a one-to-one lexical entry is created.

Our Method: Assumptions, and Future Work

- Candidates are children, not parents or siblings.
- Mostly working with nominal word senses now, however: 1) verbal senses are being tested along with some additional statistical enhancements 2) adjectival senses are being learned in a "knowledge-lean" manner.





