

Natural Language Processing

Week I

NLP (Natural Language Processing):

- 1) Q & A Systems (2011) (Jeopardy)
- 2) Information Extraction (2012) (Curriculum Mapping) (Wikipedia)
- 3) Information Extraction and Sentiment Analysis (E-Commerce)
- 4) Machine Translation

Understanding Difficulties:

- Non-Standard Language
- Segmentation Issues
- Idioms
- Neologisms
- Word Knowledge
- Tricky Entity Names

Language Technology

Mostly Solved

Spam Detection
Part of Speech Tag
Named Entity Recognition

Making Good Progress

Sentiment Analysis
Coreference Resolution
Word Sense Disambiguation
Parsing
Machine Translation
Information Extraction

Still Really Hard

Question Answering
Paraphrase
Summarization
Dialog