CSCI 5582
Artificial Intelligence

Lecture 23
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Today 11/30

- Natural Language Processing
  - *Overview*
    - 2 sub-problems
  - Machine Translation
  - Question Answering

Readings

- Chapters 22 and 23 in Russell and Norvig
- Chapter 24 of Jurafsky and Martin

Speech and Language Processing

- Getting computers to do reasonably intelligent things with human language is the domain of Computational Linguistics (or Natural Language Processing or Human Language Technology)

Applications

- Applications of NLP can be broken down into categories – Small and Big
  - Small applications include many things you never think about:
    - Hyphenation
    - Spelling correction
    - OCR
    - Grammar checkers

Applications

- Big applications include applications that are big
  - Machine translation
  - Question answering
  - Conversational speech recognition