

CSCI 5582

Artificial Intelligence

Lecture 23
Jim Martin

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Today 11/30

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

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Readings

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

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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)

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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

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Applications

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

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