

Natural Language Processing Course
Tentative Schedule of Class Sessions 2009

Date Topics and Assignments

- 1/13 Course Overview and Introduction to NLP
- 1/20 Corpus Linguistics, N-gram Analysis & Language Models
- 1/27 Lexicology, Regular Expressions and Finite State Automata
Assign Homework 1: Mutual Information
- 2/3 Morphology
- 2/10 Part-of-speech Tagging
Homework 1 Due. Assign Homework 2: POS tagging or Sentence Detection
- 2/17 Context Free Grammars, Parsing
- 2/24 CFG Features, Probabilistic Parsing, Dependency Parsing
Homework 2 Due. Assign Homework 3: Syntactic Parsing
- 3/3 Semantic Analysis, Temporal Semantics
- 3/10 SPRING BREAK
- 3/17 Lexical Semantics , Word Sense Disambiguation
- 3/24 Semantic Representation, Frames, Case Grammar, Semantic Role Labeling
Homework 3 Due. Sign Up for Topics for NLP Applications
- 3/31 Discourse Linguistics, Anaphora & Coherence
- 4/7 Discourse Structure, Sublanguage Grammar
Assign Homework 4.
- 4/14 Pragmatics, Speech Act Theory, Gricean Maxims
- 4/21 NLP Applications: Question Answering, and Student Presentations
- 4/28 NLP Applications: Student Presentations
- 5/5 No Final Exam. Homework 4 Due.