LING83600: Language Technology
Fall 2022
CUNY Graduate Center

Instructor: Dr. Sarah Ita Levitan
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Office hour: TBD

Class time: Tuesdays, 11:45am - 1:45pm
Location: TBD

Course Description
This course explores how computers process human language. It covers core problems in natural language processing and speech processing and presents algorithms for solving these problems. Topics include: language models, parsing, machine translation, word embeddings, and speech recognition. Students are expected to be comfortable programming in Python.

Learning Outcomes
By the end of the course, the student will be able to:
- Understand how core language technology algorithms work
- Implement and use language technology
- Critically read and evaluate research in speech and language technology

Textbook
Speech and Language Processing, Jurafsky & Martin, 3rd edition
**No need to purchase, we will provide links to chapters online:
https://web.stanford.edu/~jurafsky/slp3/
Readings will also be assigned from research papers throughout the semester.