Ling/CSE 472: Introduction to Computational Linguistics

5/28: Wrap-up, Review

Your questions: Final projects

Your questions: Anything about the class

Your questions:

Grad school in general and/or CLMS

Learning outcomes (from syllabus)

- Be familiar with computational linguistic topics, tools, and resources, and how they are applied in research in both computational linguistics and other subfields

- Be able to conceptualize problems from the perspective of computational linguistics

- Be able to design and carry out a linguistically-informed error analysis of an NLP system

- Understand ways in which linguistic knowledge can be computationally encoded, to test linguistic hypotheses and strengthen NLP systems

- Be an informed consumer of NLP/speech technology and popular press reporting on NLP/speech technology

What is something you've learned about

- computational linguistic topics, tools, and resources, and how they are applied in research in both computational linguistics and other subfields
    - what was surprising?
    - what was especially different from the perspective of other ling classes?
    - other CS classes?

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What is something you've learned about

- being an informed consumer of NLP/speech technology and popular press reporting on NLP/speech technology
    - what might you do differently in everyday life after taking this class?
    - what might you share with other people about what you've learned?

What is something you've learned about

- societal impacts of NLP/computational linguistics
    - what kinds of risks exist?
    - what methodologies do we have for reasoning about them and working to mitigate them?

Learning goals from first day survey:
What are you most hoping to get out of the class?

- Learn more about compling to see if it's field I want to pursue
- Learn more about what kinds of problems fall under compling, get hands-on experience
- Improve skills in compling and programming
- Basic understanding of how to apply linguistics in a CS context
- Get an idea of how CS relates to linguistics
- Learn about what compling can do, what tools people use, and how to use them

Learning goals from first day survey:
What are you most hoping to get out of the class?

- Get a sense of what computational linguistics is
- Learn what it means to answer a compling research question with experimental work
- Learn how classical computational linguistics relates to neural processing
- Knowledge of NLP, especially in relation to MT
- Gain a deeper understanding about the subject and possible research applications

Final Presentation Schedule

- June 2
  - Guevara-Mangino
  - Wayner-Khuu
  - Briand-Hewett-Krug
  - Goldbaek-Saleh-Mitchell
  - Shan-Dunagan-Vazquez
- June 4
  - Chen, J
  - Chen-Kim
  - Sharma-Seibel-Cho
  - Maksumova-Sun
  - Sringari-Tan

Final Presentation Guidelines

- 10 + 4 format: 10 minutes of presentation, 4 minutes for questions
- Prepare slides & share via Zoom.
    - Contact Emily ahead of time if that might raise issues
- All team members should participate in the presentation, time zones permitting
- Focus should be on task definition (input & output) and error analysis. What error types did you find? What is their distribution in your data?

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