Computational Linguistics

Lecture 1. Introduction

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Sources

- Slides from:
  - Felipe Bravo-Marquez: https://github.com/dccuchile/CC6205/

Computational Linguistics

Lecture 2. Text pre-processing

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The Netherlands

Sources

- Literature:
  - Jurafsky & Martin chapter 2.2, 2.3, 2.4. https://web.stanford.edu/~jurafsky/slp3/

- Slides from:
  - Jurafsky & Martin: https://web.stanford.edu/~jurafsky/slp3/
  - Suzan Verberbe: http://tmr.liacs.nl/TM.html

Computational Linguistics

Lecture 3. Regular expressions and edit distance

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Sources

- Literature:
  - Jurafsky & Martin chapter 2.1, 2.5: https://web.stanford.edu/~jurafsky/slp3/

- Slides from:
  - Jurafsky & Martin: https://web.stanford.edu/~jurafsky/slp3/

Computational Linguistics

Lecture 4a. POS tagging

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The Netherlands

Sources

- Literature:
  - Jurafsky & Martin chapter 8: https://web.stanford.edu/~jurafsky/slp3/

- Slides from:
  - Nathan Schneider (based on Sharon Goldwater and Philipp Koehn): http://www.cs-114.org/course-schedule/

Computational Linguistics

Lecture 4b. Sequence labelling and recurrent neural networks

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Sources

- Literature:
  - Jurafsky & Martin chapter 9: https://web.stanford.edu/~jurafsky/slp3/

- Slides from:
  - Christopher Manning: http://web.stanford.edu/class/cs224n/

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Lecture 5. Sequence-to-sequence transformation

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The Netherlands

Sources

- Slides from:
  - Felipe Bravom: https://github.com/dccuchile/CC6205/

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Lecture 6. Vector space model and classification

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The Netherlands

Sources

- Slides from:
  - Suzan Verberbe: http://tmr.liacs.nl/TM.html

Computational Linguistics

Lecture 7. Word embeddings

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The Netherlands

Sources

- Literature:
  - Jurafsky & Martin chapter 6: https://web.stanford.edu/~jurafsky/slp3/

- Slides from:
  - Jurafsky & Martin: https://web.stanford.edu/~jurafsky/slp3/

Computational Linguistics

Lecture 8. Constituent grammar and parsing

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The Netherlands

Sources

- Literature:
  - Jurafsky & Martin chapter 12, 13: https://web.stanford.edu/~jurafsky/slp3/

- Slides from:
  - Diyi Yang: https://www.cc.gatech.edu/classes/AY2020/cs7650_spring/

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Lecture 9. Dependency parsing

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The Netherlands

Sources

- Literature:
  - Jurafsky & Martin chapter 15: https://web.stanford.edu/~jurafsky/slp3/

- Slides from:
  - Diyi Yang: https://www.cc.gatech.edu/classes/AY2020/cs7650_spring/

Computational Linguistics

Lecture 10. Word sense disambiguation

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The Netherlands

Sources

- Literature:
  - Jurafsky & Martin chapter 19: https://web.stanford.edu/~jurafsky/slp3/

- Slides from:
  - Jurafsky & Martin: https://web.stanford.edu/~jurafsky/slp3/

Computational Linguistics

Lecture 11. Semantic role labelling

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The Netherlands

Sources

- Literature:
  - Jurafsky & Martin chapter 20: https://web.stanford.edu/~jurafsky/slp3/

- Slides from:
  - Jurafsky & Martin: https://web.stanford.edu/~jurafsky/slp3/

Computational Linguistics

Lecture 12. Naïve Bayes

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Sources

- Literature:
  - Jurafsky & Martin chapter 4: https://web.stanford.edu/~jurafsky/slp3/

- Slides from:
  - Suzan Verberbe: http://tmr.liacs.nl/TM.html

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Lecture 13. Feedforward neural networks

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Sources

- Literature:
  - Jurafsky & Martin chapter 7: https://web.stanford.edu/~jurafsky/slp3/

- Slides from:
  - Suzan Verberbe: http://tmr.liacs.nl/TM.html

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Lecture 14. Contextual word embeddings

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Sources

- Slides from:
  - Felipe Bravo-Marquez: https://github.com/dccuchile/CC6205/

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Lecture 15. Information extraction

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The Netherlands

Sources

- Literature:
  - Jurafsky & Martin chapter 18: https://web.stanford.edu/~jurafsky/slp3/

- Slides from:
  - Suzan Verberbe: http://tmr.liacs.nl/TM.html

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Lecture 16. Sentiment analysis

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Sources

- Slides from:
  - Suzan Verberbe: http://tmr.liacs.nl/TM.html

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Lecture 17. Dialogue systems

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Sources

- Literature:
  - Jurafsky & Martin chapter 26: https://web.stanford.edu/~jurafsky/slp3/

- Slides from:
  - Jurafsky & Martin: https://web.stanford.edu/~jurafsky/slp3/

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Lecture 18. Machine translation

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The Netherlands

Sources

- Literature:
  - Eisenstein chapter 18: https://github.com/jacobeisenstein/gt-nlp-class/tree/master/notes

- Slides from:
  - Diyi Yang: https://www.cc.gatech.edu/classes/AY2020/cs7650_spring/