NLP & IR

Examination

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Exam Paper

• $6 \times 15 + 10 = 100$
  – There are seven questions in total
    • 6 with 15 marks each.
    • 1 with 10 marks
  – Students should answer all of them.
    • The exam paper is not prior-disclosed.
Exam Paper

• Bookwork Questions: Factual Knowledge
  (~10%)
  — They should be able to be answered in a few sentences.
  — If you give all the relevant factual points, you’ll get all the marks. Don’t overdo it.

• Technical Questions: Problem Solving
  (~90%)
Materials

• Lecture Slides
• Textbook Chapters
  – All topics are covered by the Stanford IR textbook and the Stanford NLP textbook.
• Classwork and Coursework
• Past Exam Papers
  – Some are out-of-date and out-of-scope now
  – Similar styles of questions this year
What’s New

• This module used to be called Information Retrieval and Organisation (IRO)

• Compared to the previous years
  – n-gram language models, perplexity, ...
  – PPMI, 1\textsuperscript{st}-order/2\textsuperscript{nd}-order co-occurrences, ...
  – word2vec and neural language models
Tips

- Manage Your Time
- Software Tools
  - Adobe Acrobat Reader
    - Edit / Take a Snapshot
  - Microsoft Word
  - Plain Text Editor
    - e.g., Notepad++, Sublime Text 3, ...
  - Online Calculator
- Copy and Paste
  - Exploit the Patterns
  - Notice the Differences
- Module Materials at Your Fingertips
  - Search
  - Scripts