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**Lesson Topic: NLP Revision**

**Date: 17 June 2024**



| **Learning Objectives (4 mins)**   1. Understand the fundamental concepts of Natural Language Processing 2. Understand commonly used text preprocessing techniques: *tokenisation, stemming or lemmatisation, stop-word removal, parts-of-speech (POS) tagging,* and *named entity recognition (NER)* 3. Grasp the concept of Text Classification |
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| **Introduction (2 mins)**   * Explain to students that the intention is to use this revision session to cover all the fundamental concepts discussed in previous NLP lectures. |
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| **Lesson body - Approaches and Activities (20 + 25 + 45 mins)**   * This will be the third session dedicated to NLP. So, we will start off with polls to assess the students’ understanding of NLP. After the votes come through, the lecturer should give an extensive explanation of why the answer is what it is (20 mins) * Notebook walkthrough. Pace should be slow and steps should be explained very clearly. The goal is to ensure students who still voted for NLP when asked what topic to cover next see no need to request for another NLP revisit (25 + 45 mins) |
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| **Checking for Understanding (5 mins)**   * Polls to consolidate previous NLP lectures * Pausing for questions and emoji reactions |
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| **Conclusion (4 mins)**   * Revisit objectives and unpack how each one was met during the lecture |
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| **Review of Lesson Timeline**   * Learning Objectives - 4 mins * Introduction - 2 mins * Lesson body -Approaches and Activities - 20+ 25 + 45 mins * Break - 15 mins * Checking for Understanding - 5 mins * Conclusion - 4 mins |
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