

Introduction to Natural Language Processing

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- By using NLP, people can interact with machines more naturally through text or speech.

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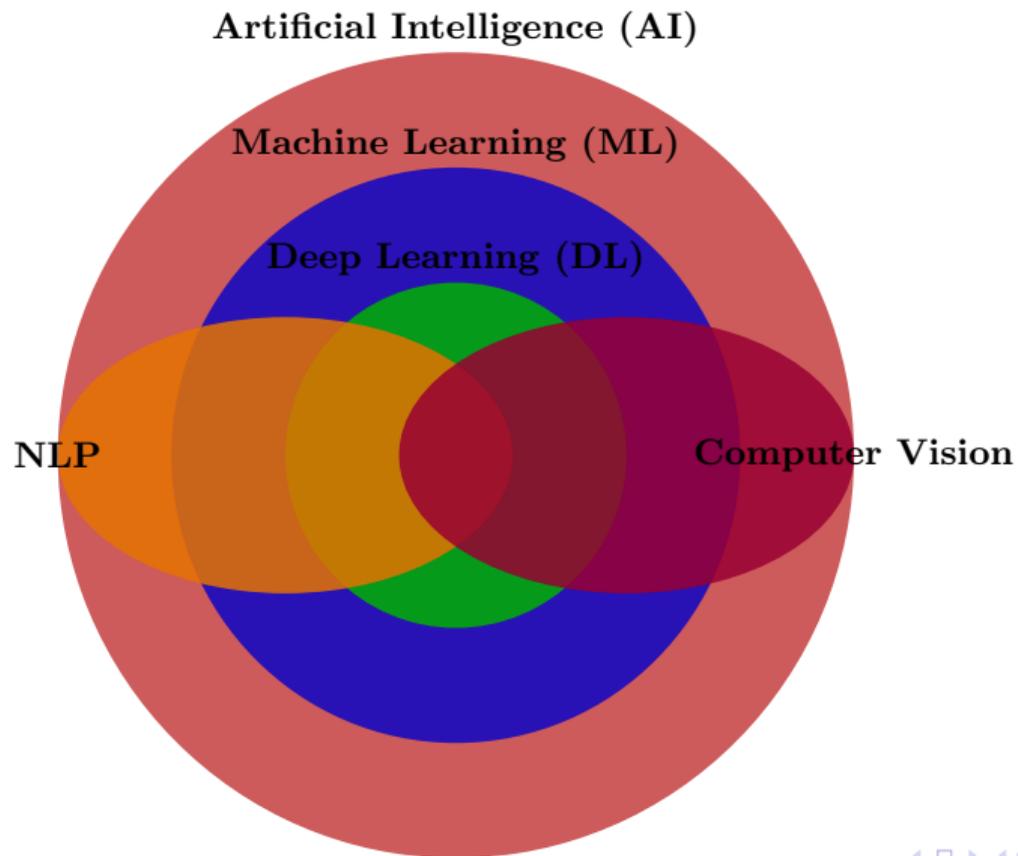
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- The Turing Test includes tasks involving automated interpretation and generation of natural language.

AI, ML, DL, NLP, and Computer Vision



Examples of NLP Applications

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- **Document Understanding & Information Extraction** (tables, invoices, forms)

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- *Automated content creation* (drafting articles, lesson plans, marketing copy)

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- **Transformers (Hugging Face)** – State-of-the-art pre-trained models for text classification, translation, summarization, question answering, and more.

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- **OpenNLP (via Python bindings)** – Apache project for tokenization, sentence splitting, POS tagging, and parsing.

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