



Computational Linguistics / Natural Language Processing

MSc AI, Utrecht

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Computational Linguistics / Natural Language Processing in AI

- Many AI problems are linguistic in nature: a lot of our knowledge is expressed/stored linguistically
- Build models to learn, understand, and produce human language(s)
- Common applications
 - Conversational agents / chat bots
 - Machine translation
 - question – answering from the web, information retrieval
 - Summarising texts; Reasoning, drawing inferences from text or speech



Computational Linguistics / Natural Language Processing in AI

- Inter-disciplinary
 - Machine Learning / Deep Learning models
 - Cognitive models of linguistic behaviour
 - Formal / logical models of linguistic behaviour
- Courses offered from all of these perspectives



NL courses in the AI program

(Primary Electives)

- Experimentation in Linguistics, Psychology, and AI (Block 3)
- Natural Language Processing (Block 4)
- Logic & Language (Block 2)
- Cognitive Modelling (Block 2)
- Machine Learning for Human Vision and Language (Block 1)



More options..

(Secondary Electives)

- Natural Language Generation (Block 3)
- Foundations of Sound Patterns* (Block 1)
- Reasoning about meaning* (Block 1)
- Aspects of word meaning* (Block 4)

* are 5 EC courses; email course co-ordinator to request add-on 2.5 EC clip to make a 7.5 EC course.