

What will you learn?

- Birds eye view:
 - How to represent written and spoken language in a useful way
 - How to frame language understanding as a tractable statistical inference problem
 - How to evaluate the performance of language and speech processing systems
 - NLP systems building experience
- Canopy view:
 - State-of-the-art language modeling methods
 - Common NLP tasks (e.g., NER, QA) and their relation to various technologies (e.g., chatbots)
 - A perspective of how NLP has evolved and where it's headed
 - You will learn to use powerful tools within the NLP ecosystem
 - DL packages (e.g., Pytorch, Tensorflow, MXNet)
 - The *transformers* library
 - GPU computing



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About this course