

Corpus and Empirical Linguistics Workshop 2016

One-day seminar on Deep Learning for Natural Language Processing

Instructor: Prof. QIU Xipeng, Fudan University

Date and time: 9:00 pm – 12:00 pm; 2:00 pm – 5:00 pm, 18 June 2016

Venue: B7603 (LT Multi-purpose Room), Blue Zone, Level 7, Academic 1

Deep Learning for Natural Language Processing

Deep learning has achieved great process in the field of natural language processing (NLP), which also has recently attracted a great deal of attention in the research community. In this tutorial, I will give a series of deep learning techniques and their applications in NLP. The content ranges from basic concepts of deep learning and NLP to recent advanced applications.

The first part will introduce some background knowledge of machine learning and natural language processing, and briefly describe the artificial neural network.

The second part will present some neural models to represent the multi-granularity text, such as word, sentence and document.

The rest of the tutorial will briefly cover some typical tasks of NLP and introduce some latest neural based approaches for these tasks.

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