

Embeddings for NLP and IR

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UdS & DFKI

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Embeddings for NLP and IR

General Info

- Questions on registration, credits and so on:
 - CS: studium@cs.uni-saarland.de
 - CoLi: Dr.Thater / Ms.Deeg
- Credits
 - CS: only seminars with 7 CP's exist
(so *must* do the term paper)
 - CoLi: can chose 4 and 7 CP options
- The registration in HISPOS is the same for all students with deadline July 3rd.

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Problem: 15 students limit

Before attending, answer these questions

- Are there more seminars that also interest you?
- Are you in your 1st semester?
Next year you'll take more benefit of the course
- Do you know what a FFN is?
The course will be more technical
- Wanna work more than you were told last week?
Evaluation through questionnaires too

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<https://cristinae.github.io/teaching/we4nlp19/>

Structure (12 Weeks)

- **Block I:** Standard introductory lectures (*me!*)
- **Block II:** Basic/SotA Models (*you!*)
word2vec, glove, fasttext, ELMo, OpenAI-GTP, BERT
- **Block III:** Advanced Models/Applications (*you!*)

Evaluation

- 70% talks (2 per student) +
30% interaction/**questionnaires**
- Term paper (topic to be agreed)

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Block I

Lectures (Intro + 3 Weeks)

- **L1:** Introduction to Word Embeddings
- **L2:** Introduction to PCA, SVD and others
- **L2:** How to do a scientific talk
- **L3:** Demo/short exercise
Bring your laptop with python jupyter notebook with
gensim, matplotlib

Later in the course

- **LX:** How to write a scientific/term (paper) and term
paper topic discussion

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Block II

Main Topics (2h*3 Weeks)

- **L4:** Word2Vec
- **L5:** Glove & FastText
- **L6:** ELMo, OpenAI-GTP, BERT

Distribution

- 5 people per group
- A group presents a topic in 2h
- Including: given papers, related papers, demos, blogs, etc..

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Block II

And this will be the 15 students limit... a doodle.

Presentation for Block II

by Cristina • seconds ago • Print

 Building C7.2, Room -1.05

	Word2Vec -- 29th May -- 8:30-10:30	Glove & FastText -- 5 June -- 8:30-10:30	Bert & Co. -- 12/19 June (TBC) -- 8:30-10:30
0 participants	✓ 0	✓ 0	✓ 0
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Block III

- We'll discuss later