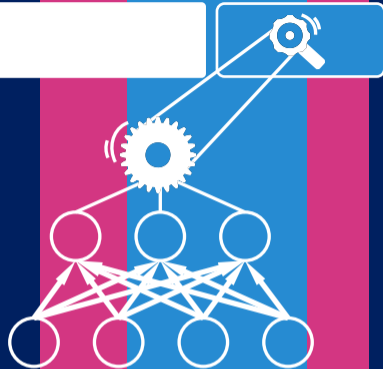Neural Networks for Information Retrieval

nn4ir

Neural Networks for Information Retrieval

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Who's here today and who are we?

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Aims

Describe the use of neural network based methods in information retrieval

Compare architectures

Summarize where the field is, what seems to work, what seems to fail

Provide an overview of applications and directions for future development of neural methods in information retrieval

Structure of the tutorial

Morning
1. Preliminaries
2. Semantic matching
3. Learning to rank
4. Entities

Afternoon
5. Modeling user behavior
6. Generating responses
7. Recommender systems
8. Industry insights
9. Q & A

Materials

Slides available at `http://nn4ir.com/ecir2018`

Bibliography available at `http://nn4ir.com/ecir2018`

Survey 1 An introduction to neural information retrieval [Mitra and Craswell, 2017]
Survey 2 Neural information retrieval: at the end of the early years [Onal et al., 2017]

Outline