

Exam Review

General info

Topics

Q&A

General Info

- Closed book.
- Final will cover the full semester, i.e. all lectures and exercises.
- Test policy: leave backpack and phone at the front of the room when picking up the final. You can keep your water and snacks.
- Duration: 1 hour and 45 minutes.

Topics

N.B.: the subtopics are examples, not exhaustive lists

- Basics of ML
 - SGD
 - Hyperparameters
 - Early stopping
- Basics of neural networks
 - MLP
 - Loss functions
- Basics of RNNs
 - Elman
 - LSTM & GRU
- Word embeddings
 - Distributional word embeddings
 - word2vec, GloVe, fastText
- Language modeling
 - Types of LM
 - Evaluation metrics
- Neural machine translation
 - Basic encoder-decoder
 - Attention based methods
- Syntax and Parsing
- Sentence understanding
 - Natural language inference
 - Reading comprehension

Q&A