

# Deep learning?

## The most popular options:

- Recurrent Neural Networks (sequence modelling)
- Convolutional Neural Networks (much faster)
- Recursive Neural Networks (use hierarchical structure)

## Linguistic structure is back:

- Morphology can help to build word embeddings
- Recursive Neural Networks, Tree-LSTMs, DAG-LSTMs, etc. use syntax, span annotations, co-reference links...