

# Recurrent Neural Networks

# Different types of RNNs

## Examples of sequence data

Speech recognition

Music generation

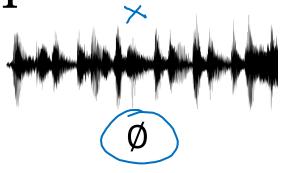
Sentiment classification

DNA sequence analysis

Machine translation

Video activity recognition

Name entity recognition



"There is nothing to like in this movie."

AGCCCCTGTGAGGAACTAG

Voulez-vous chanter avec moi?



Yesterday, Harry Potter met Hermione Granger. "The quick brown fox jumped over the lazy dog."



AGCCCCTGTGAGGAACTAG

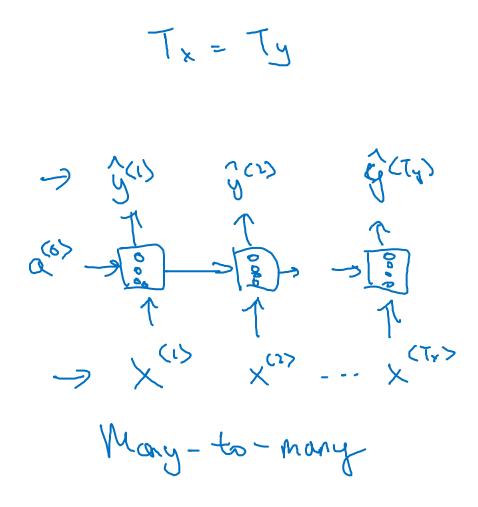
Do you want to sing with me?

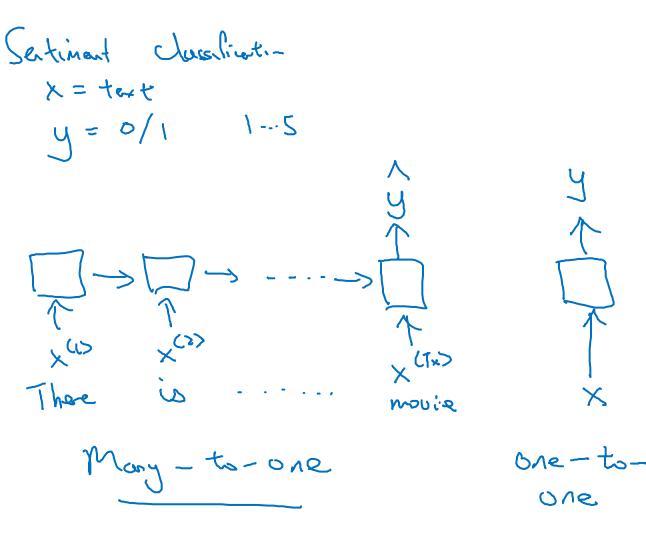
Running

Yesterday, Harry Potter met Hermione Granger.

Andrew Ng

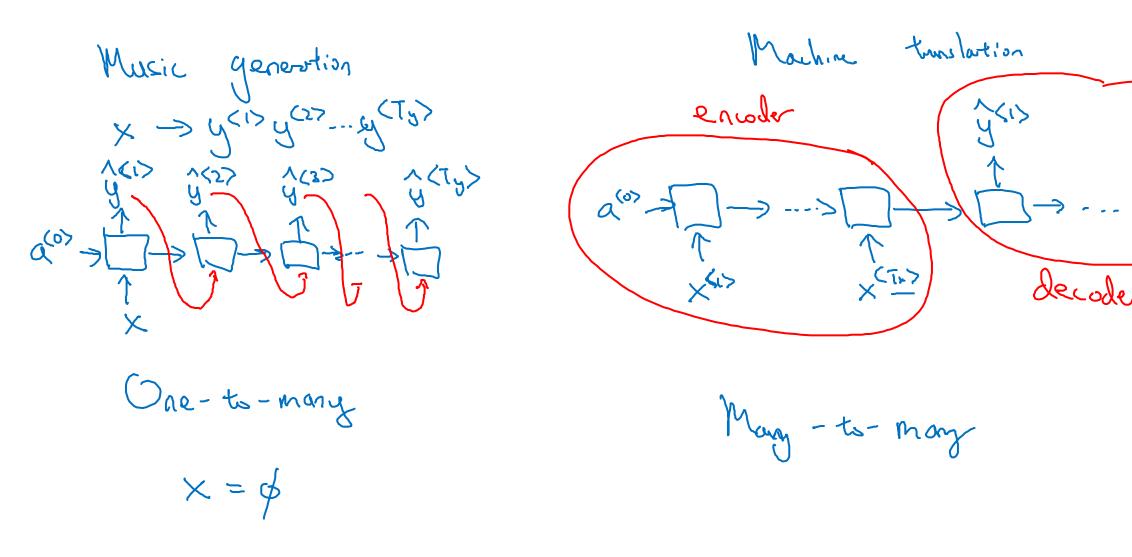
#### Examples of RNN architectures





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#### Examples of RNN architectures



## Summary of RNN types

