



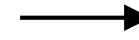
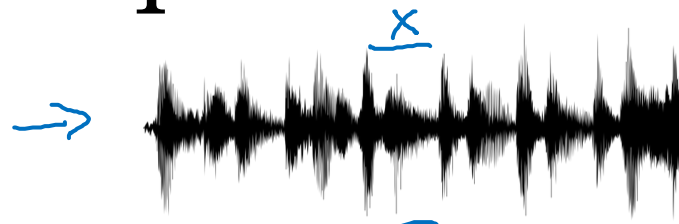
deeplearning.ai

Recurrent Neural Networks

Why sequence
models?

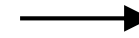
Examples of sequence data

Speech recognition



y
“The quick brown fox jumped
over the lazy dog.”

Music generation

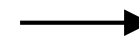


Sentiment classification

“There is nothing to like
in this movie.”



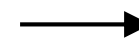
DNA sequence analysis → AGCCCCTGTGAGGAACTAG



AG**CCCCTGTGAGGAACTAG**

Machine translation

Voulez-vous chanter avec
moi?



Do you want to sing with
me?

Video activity recognition



Running

Name entity recognition → Yesterday, Harry Potter
met Hermione Granger.



Yesterday, **Harry Potter**
met **Hermione Granger**.