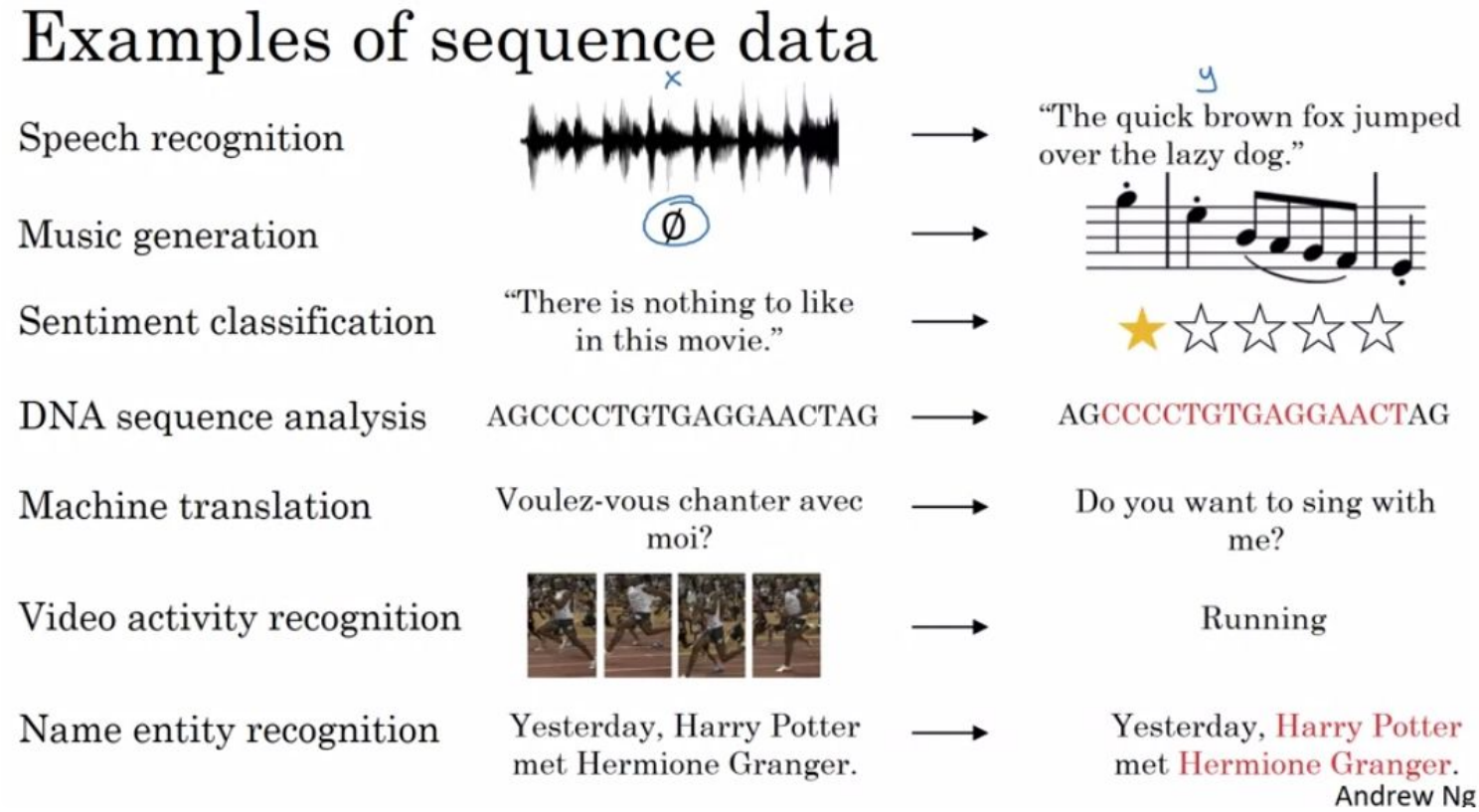
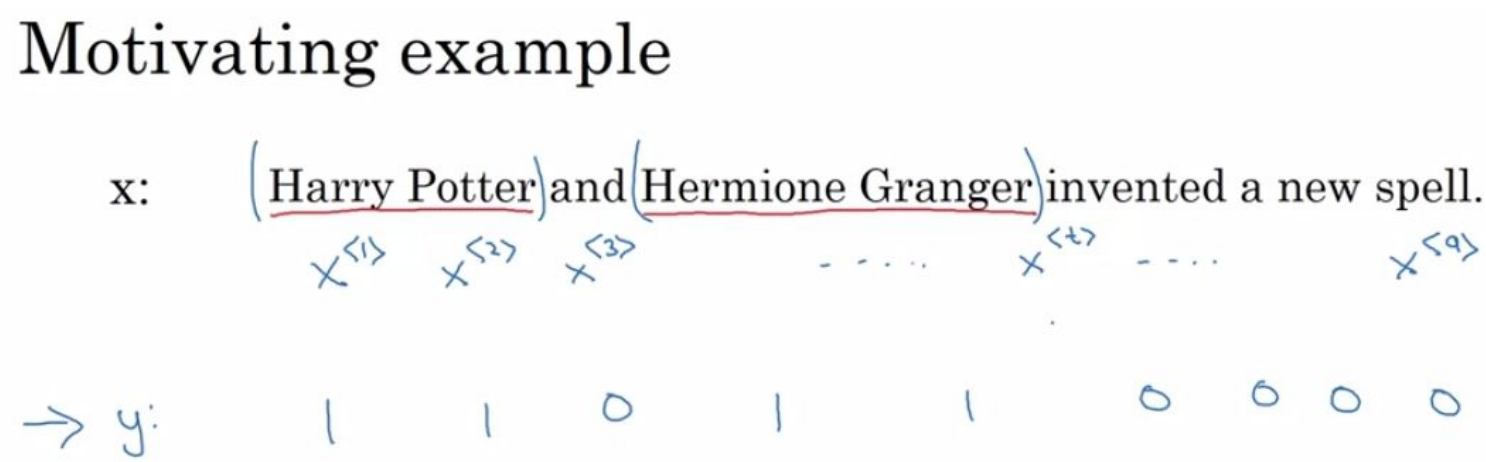


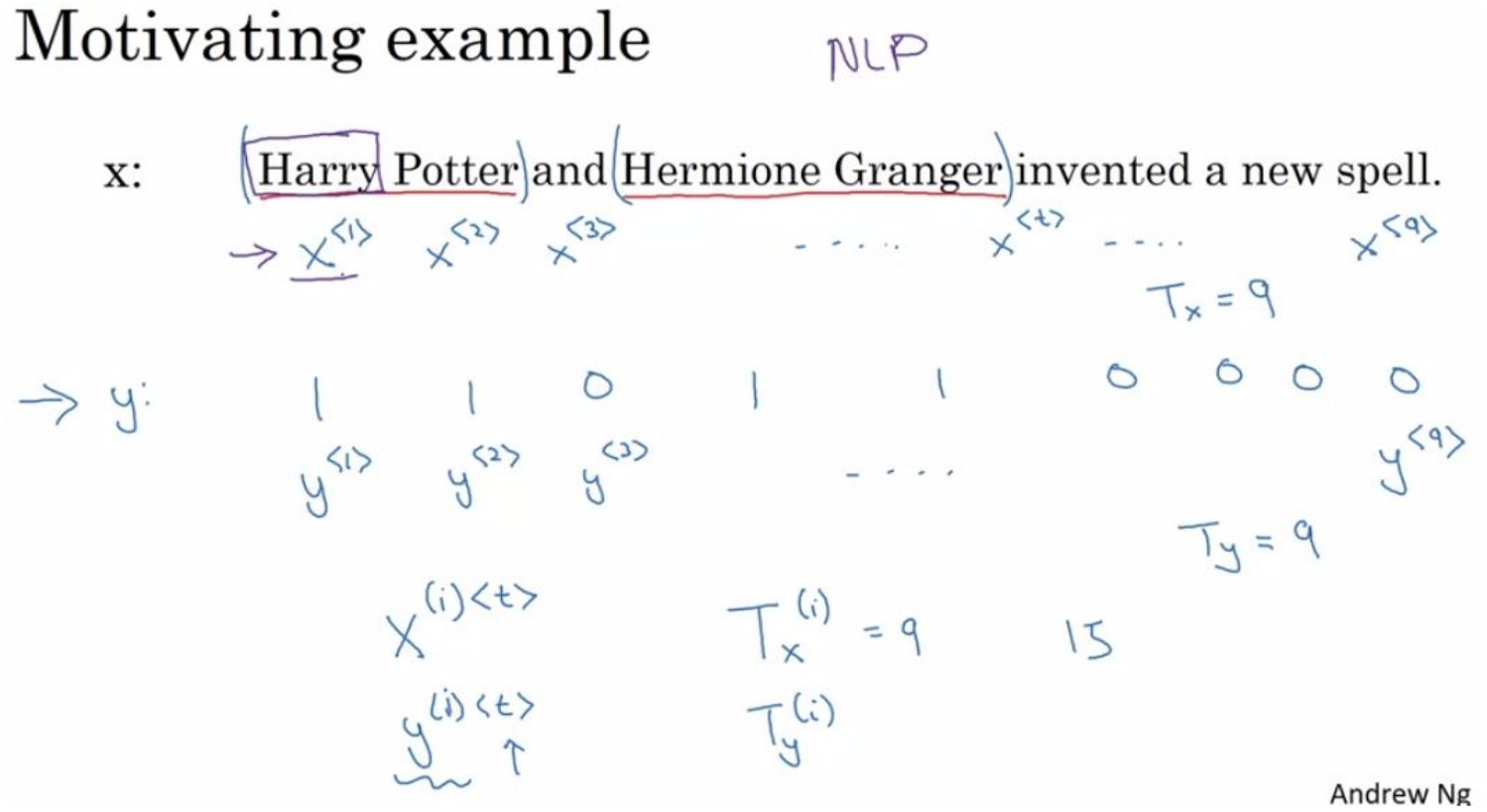
An input audio clip X and asked to map it to a text transcript Y. Both the input and the output here are sequence data, because X is an audio clip and so that plays out over time and Y, the output, is a sequence of words.

NAME INDENTIFICATION



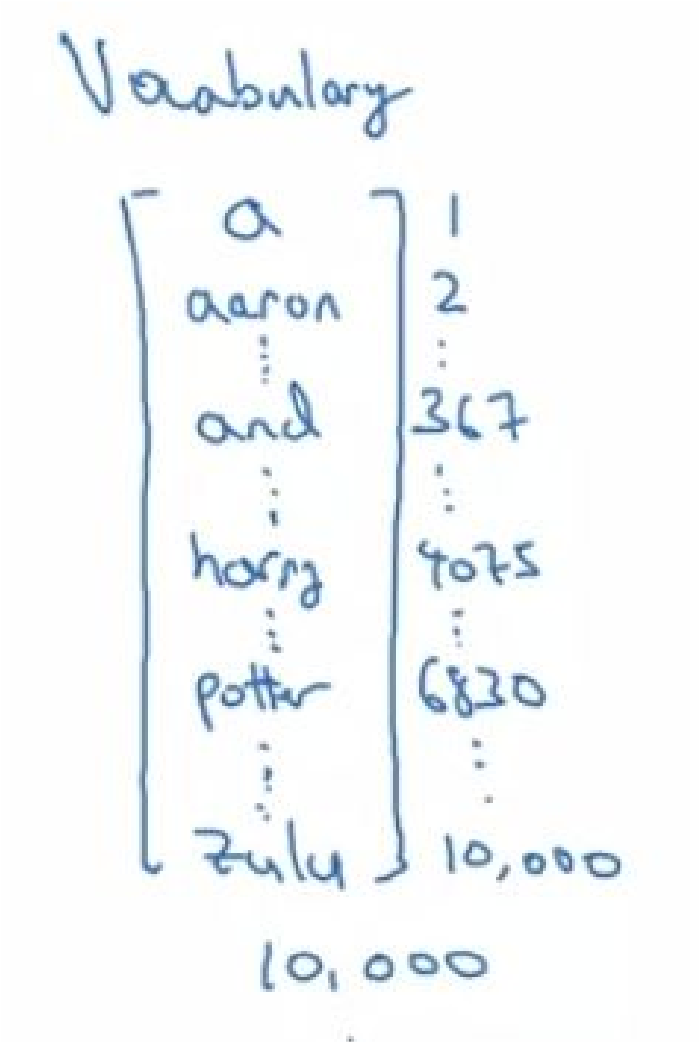
Tx = Length of input sequence

Ty = Length of output sequence

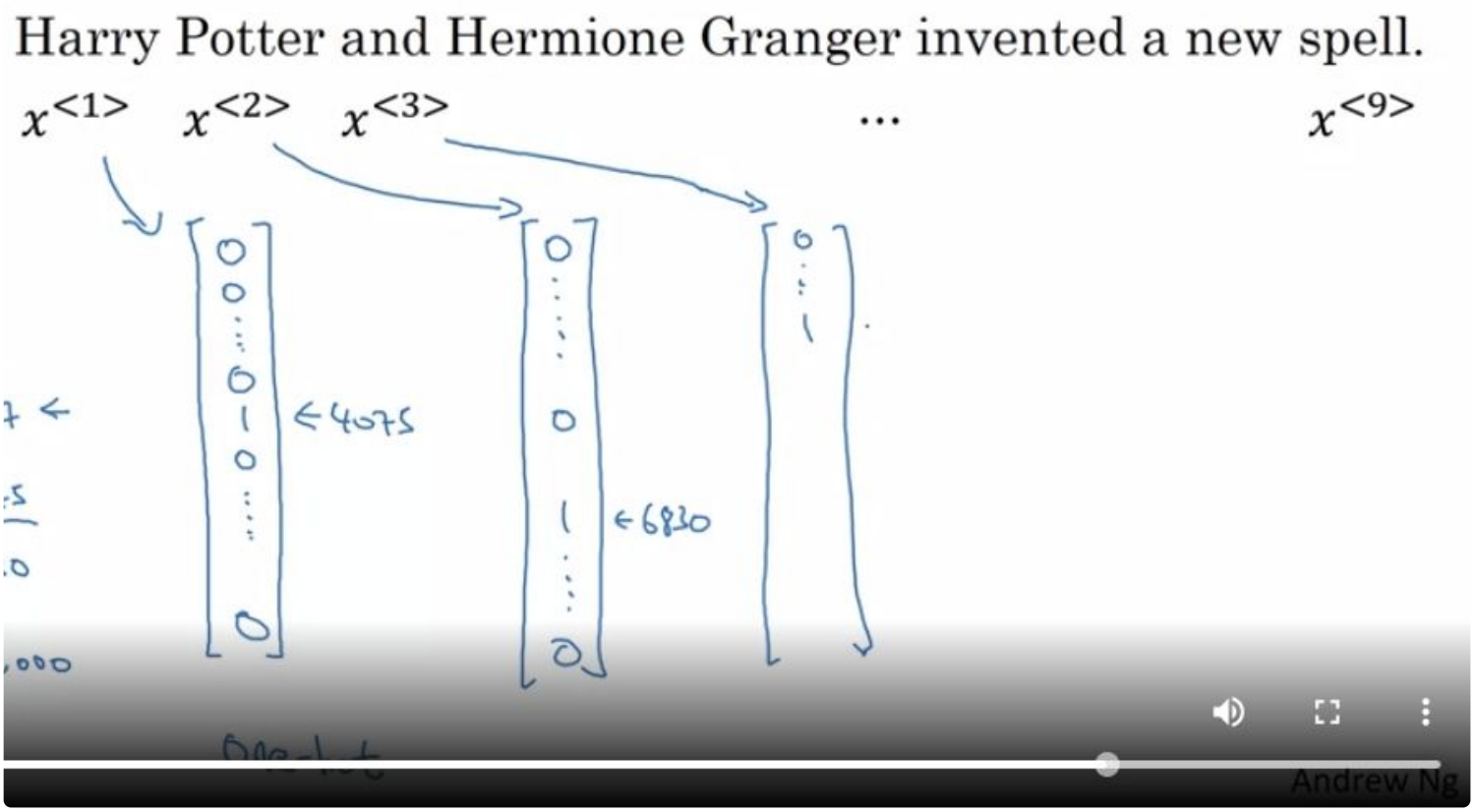


To represent words in a sentence we come up with a **vocabulary / disctionary**

VOCABULARY ->

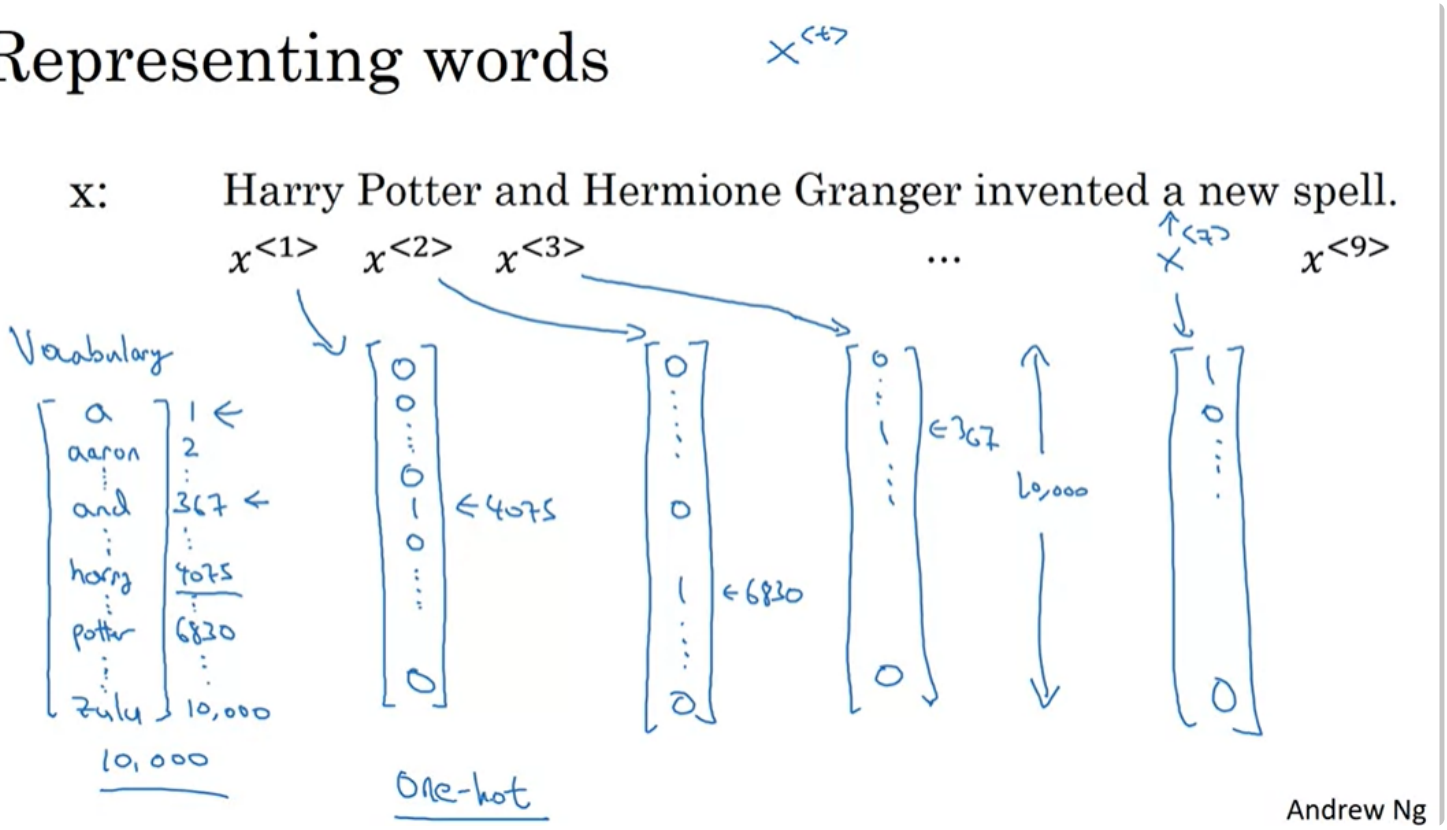


One-hot representations to represents these words


Harry Potter and Hermione Granger invented a new spell.
$x^{<1>}$ $x^{<2>}$ $x^{<3>}$ ... $x^{<9>}$
4075
6830
Andrew Ng


(x, y)

Representing words



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