

Recurrent Neural Networks

Notation

Motivating example

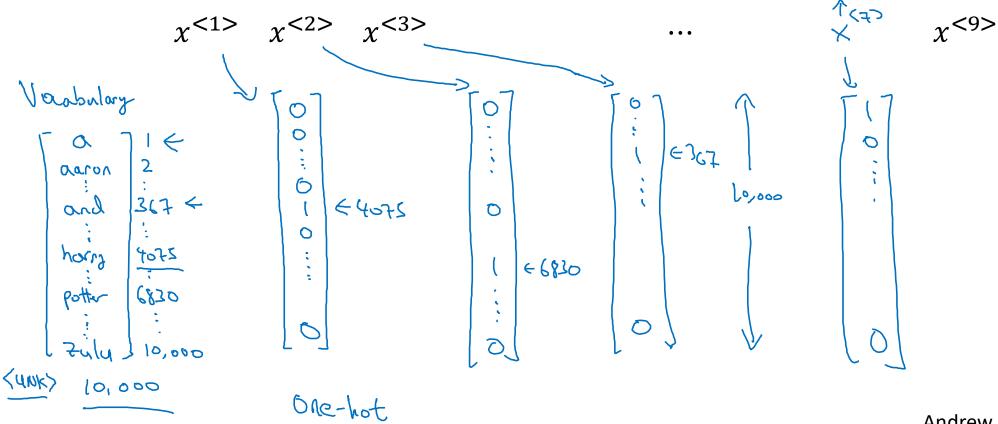
NLP

x: Harry Potter and Hermione Granger invented a new spell.

Andrew Ng

Representing words

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Representing words

x: Harry Potter and Hermione Granger invented a new spell.

$$\chi$$
<1> χ <2> χ <3> ... χ <9>

And = 367

Invented = 4700

A = 1

New = 5976

Spell = 8376

Harry = 4075

Potter = 6830

Hermione = 4200

Gran... = 4000