

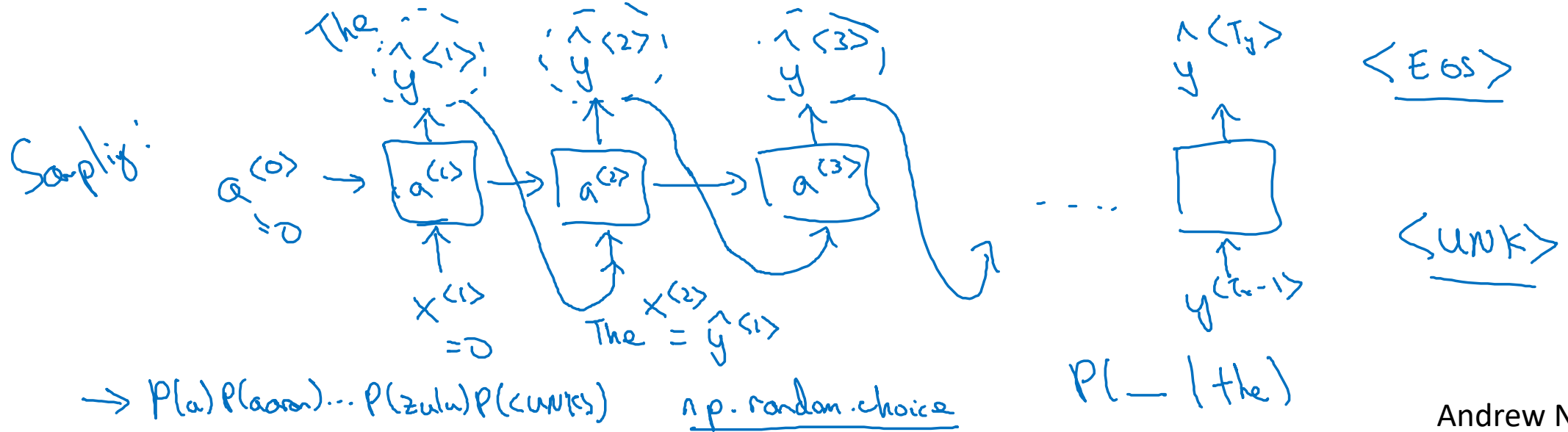
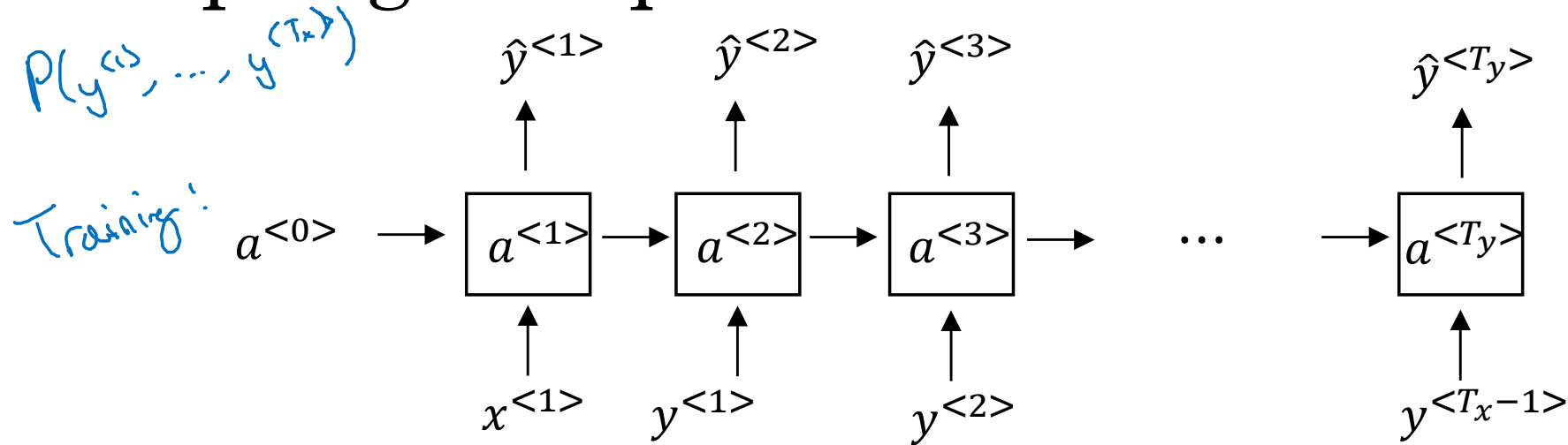


deeplearning.ai

Recurrent Neural Networks

Sampling novel
sequences

Sampling a sequence from a trained RNN



Character-level language model

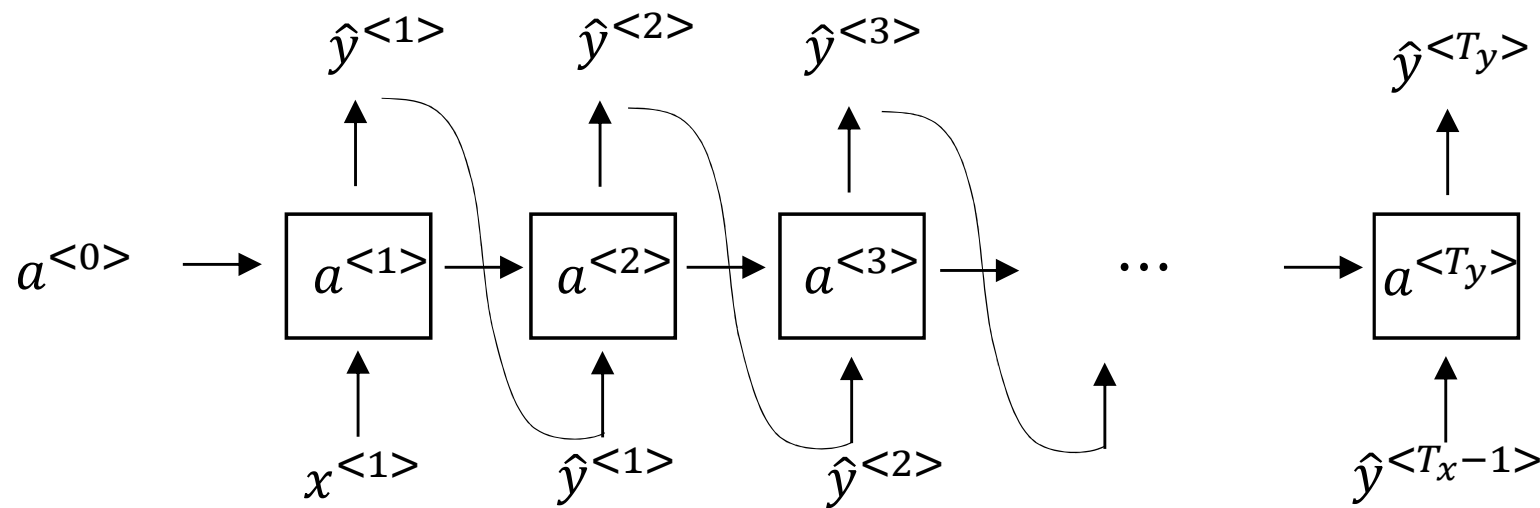
→ Vocabulary = [a, aaron, ..., zulu, <UNK>] ←

→ Vocabulary = [a, b, c, ..., z, ␣, ., , , i, o, ..., a, A, ..., z]

$\underline{y^{(1)}} \underline{y^{(2)}} \underline{y^{(3)}} y^{(n)}$

Cat
↑ ↑ ↑ ↑
average
...

Man




Sequence generation

News

President enrique peña nieto, announced
sench's sulk former coming football langston
paring.

"I was not at all surprised," said hich langston.

"Concussion epidemic", to be examined. 

The gray football the told some and this has on
the uefa icon, should money as.

Shakespeare

The mortal moon hath her eclipse in love.

And subject of this thou art another this fold.

When besser be my love to me see sabl's.

For whose are ruse of mine eyes heaves.