

Recurrent Neural Networks

Language model and sequence generation

What is language modelling?

Speech recognition

The apple and pair salad.

The apple and pear salad.

$$P(\text{The apple and pair salad}) = 3.2 \times 10^{-13}$$

$$P(\text{The apple and pear salad}) = 5.7 \times 10^{-10}$$

Language modelling with an RNN

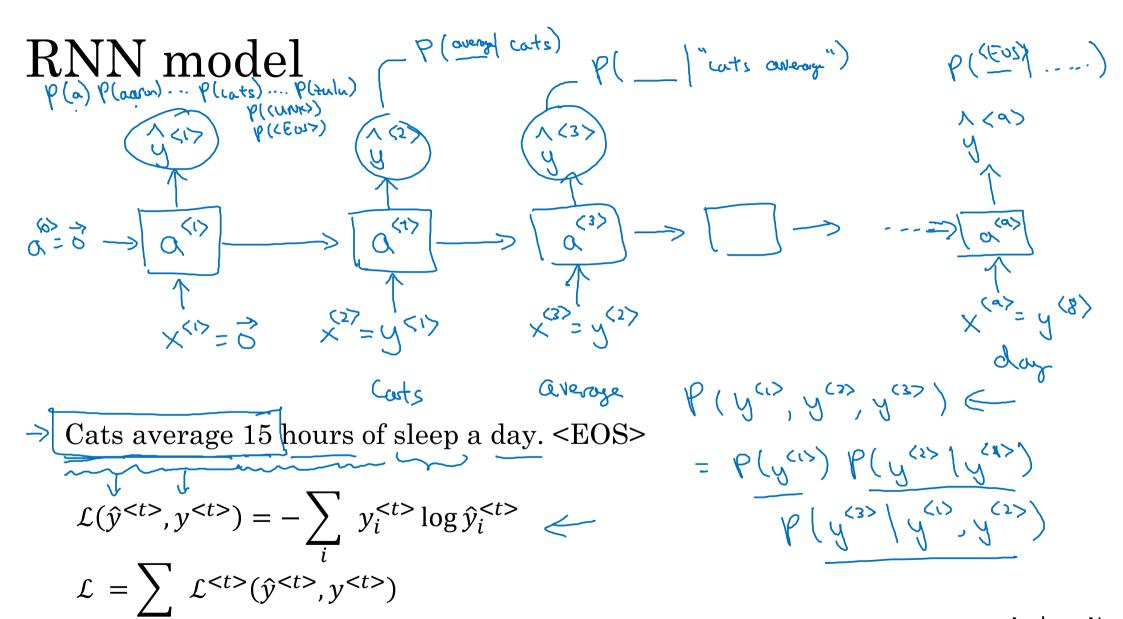
Training set: large corpus of english text.

Cats average 15 hours of sleep a day. <Eos>

$$y^{(2)} \qquad y^{(2)} \qquad y^{($$

The Egyptian Mau is a bread of cat. <EOS> SUNK>

10,000



Andrew Ng