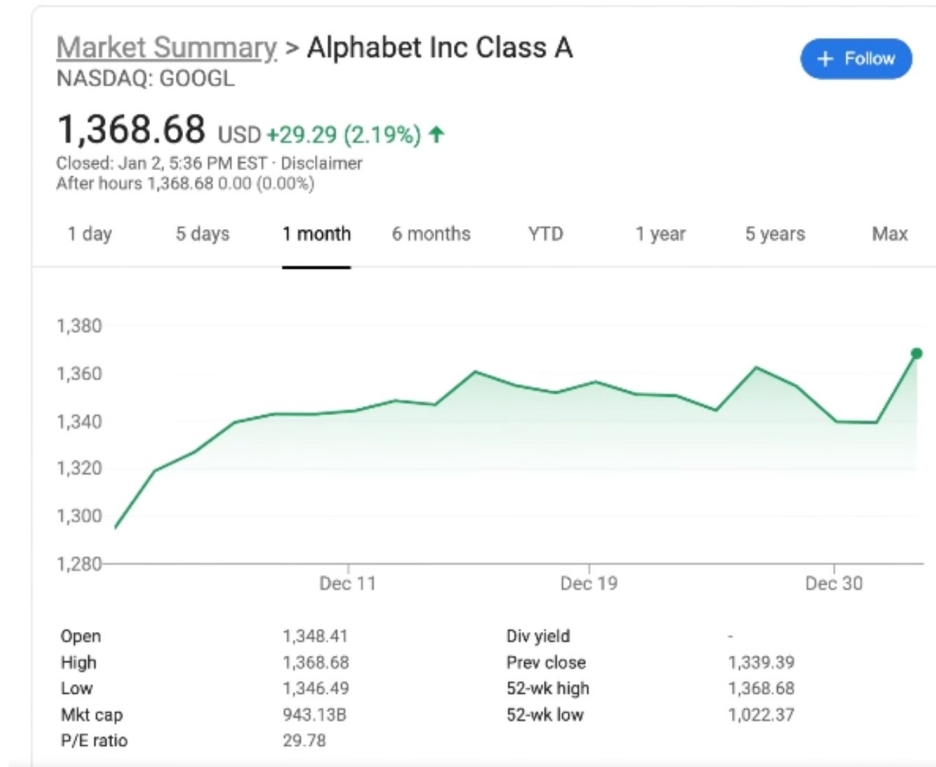


Recurrent Neural Networks

The unicorn is scotland's national animal

Sequences

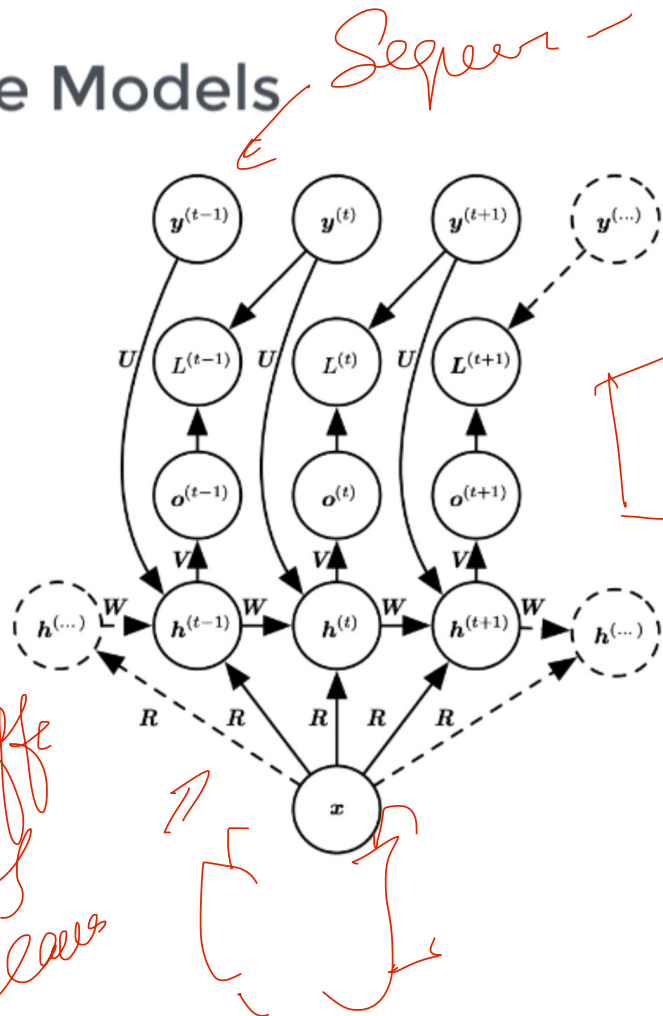


Final layer: Softmax (Vocabulary ~~words~~) \rightarrow Categorical Crossentropy

Recurrent Neural Networks

1. Vector-Sequence Models

Sequences



Example?

IP \rightarrow Image

OP \rightarrow Text IP



giraffe
ears
leaves

CNN \rightarrow Images \rightarrow feature

$(H, W) \rightarrow D$ (kernels)

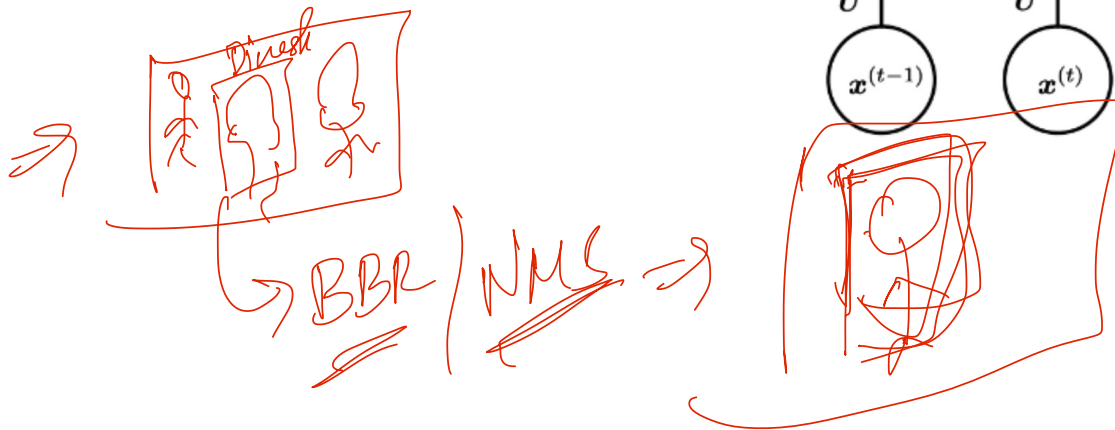
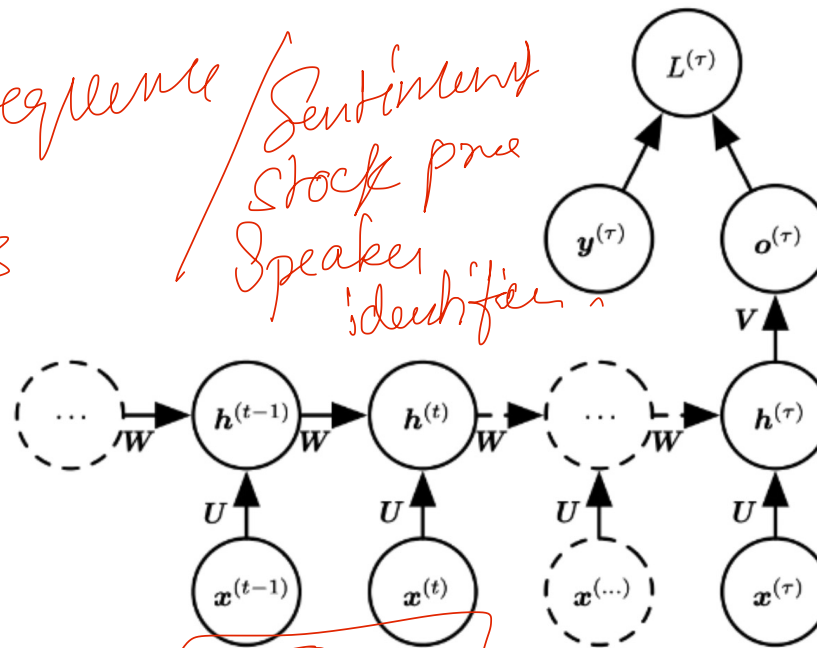
Flatten \rightarrow LSTM

Input

Recurrent Neural Networks

2. Sequence-Vector Models

I/p \Rightarrow Text / Sequence / Sentiment
O/p \Rightarrow Vectors / Stock price / Speaker identifier

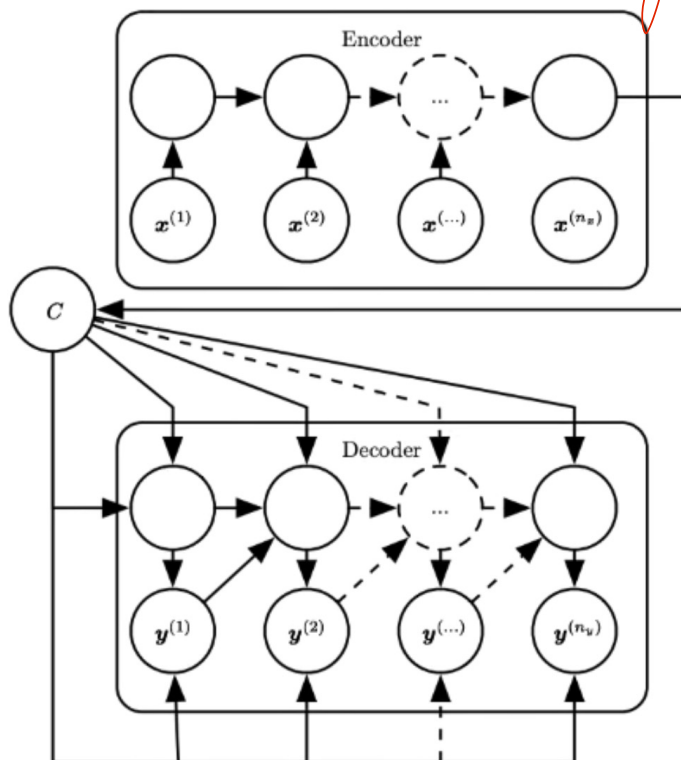


Recurrent Neural Networks

3. Sequence-Sequence Models

Devsel Vector

English



French

