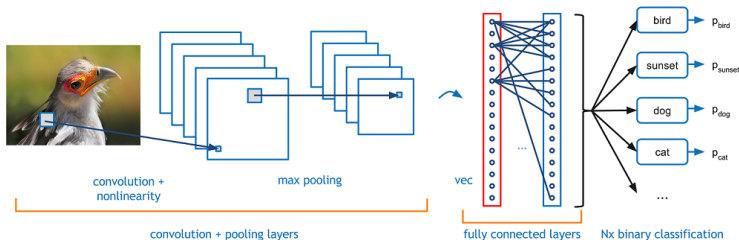


CNN, RNN and applications

P. Daniušis, A. Indriulionis

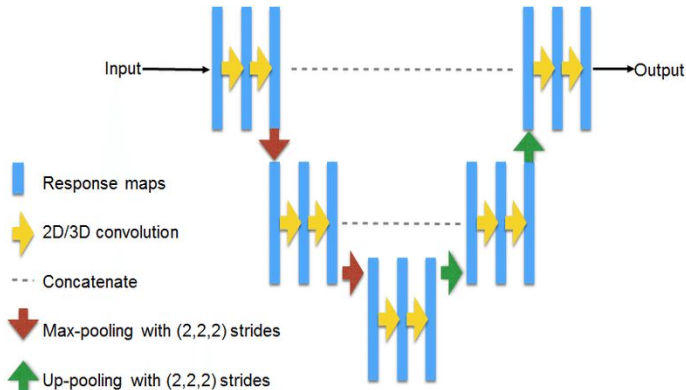
2018 03 08

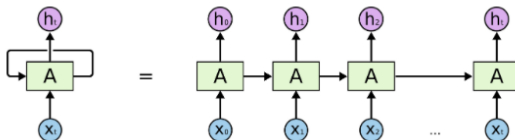
- Convolutional NN.
- Recurrent NN.
- Applications.



- Powerful representation extractors.

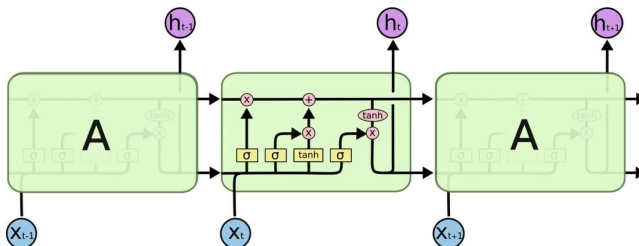
Convolutional NN: u-net





- Capable of universal computation.
- Natural sequence processors.
- Works with variable length input/output sequences.

Long-Short Term Memory module: LSTM

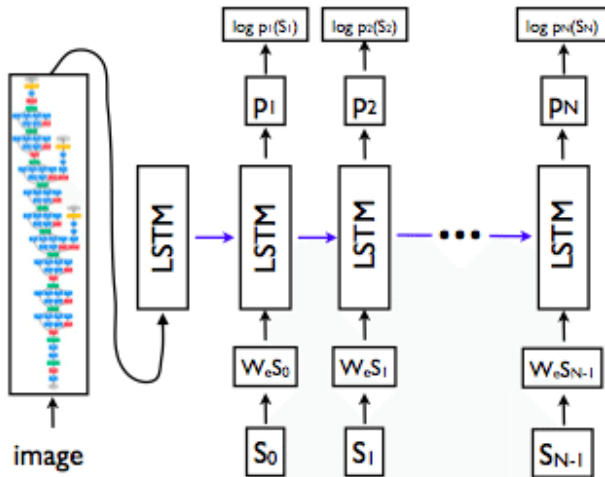


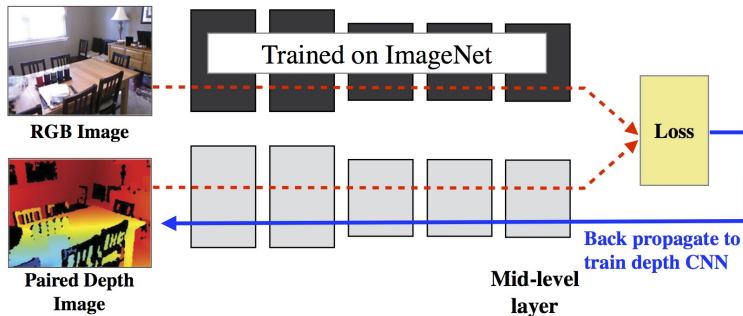
long-short term memory modules used in an RNN



<http://colah.github.io/posts/2015-08-Understanding-LSTMs/> Eugenio Culaciello
© 2016

Image captioning: CNN+LSTM





Faster R-CNN

