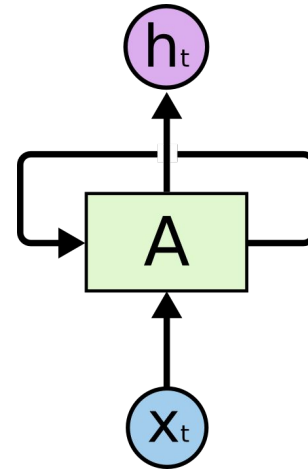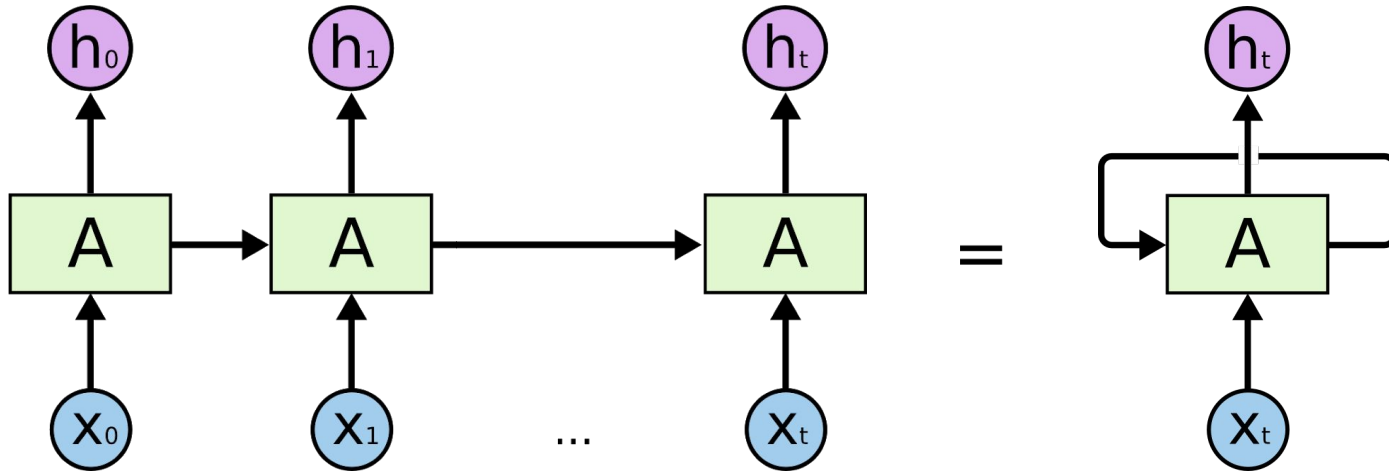# RNN - Intro

- RNN
- Usages of RNN

RNN

- **For sequential data**
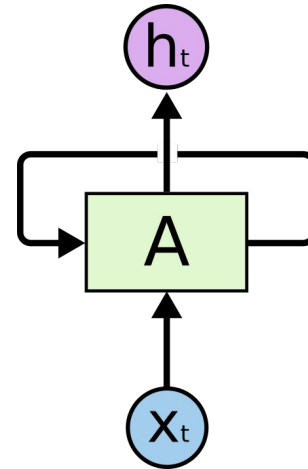- **Such as word, sentence, time series, ...**

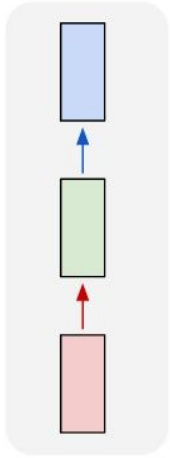# RNN

RNN

In A,

$$h_t = f(h_{t-1}, x_t)$$

For example,

$$h_t = \tanh(W_h h_{t-1} + W_x x_t)$$
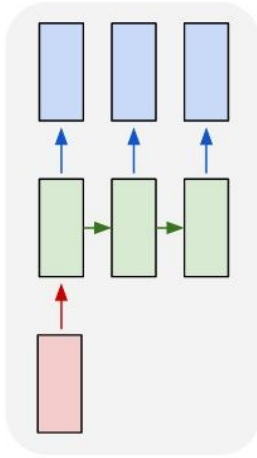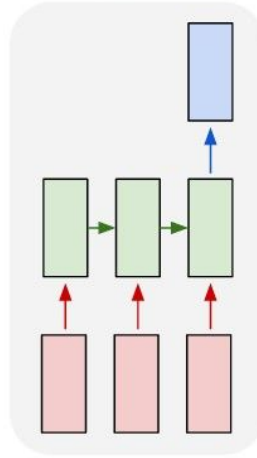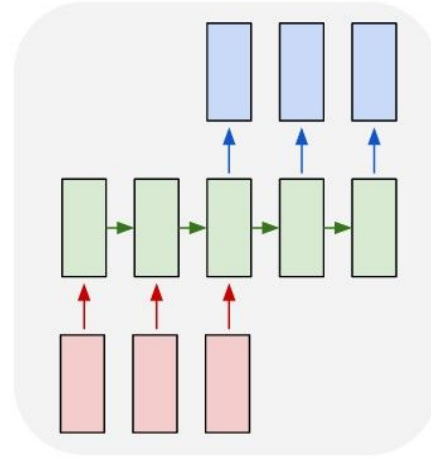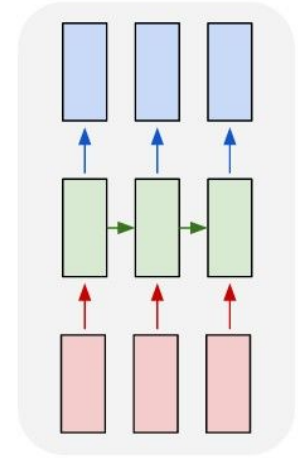
Usages of RNN

one to one   one to many   many to one   many to many   many to many

ML/DL for Everyone Season1

Lecture 12
RNN

Sung Kim <hunkim+mr@gmail.com>
http://hunkim.github.io/ml/

lec12: NN의 꽃 RNN 이야기

0:01 / 19:42

https://youtu.be/-SHPG_KMUkQ

What's Next?

- RNN in PyTorch