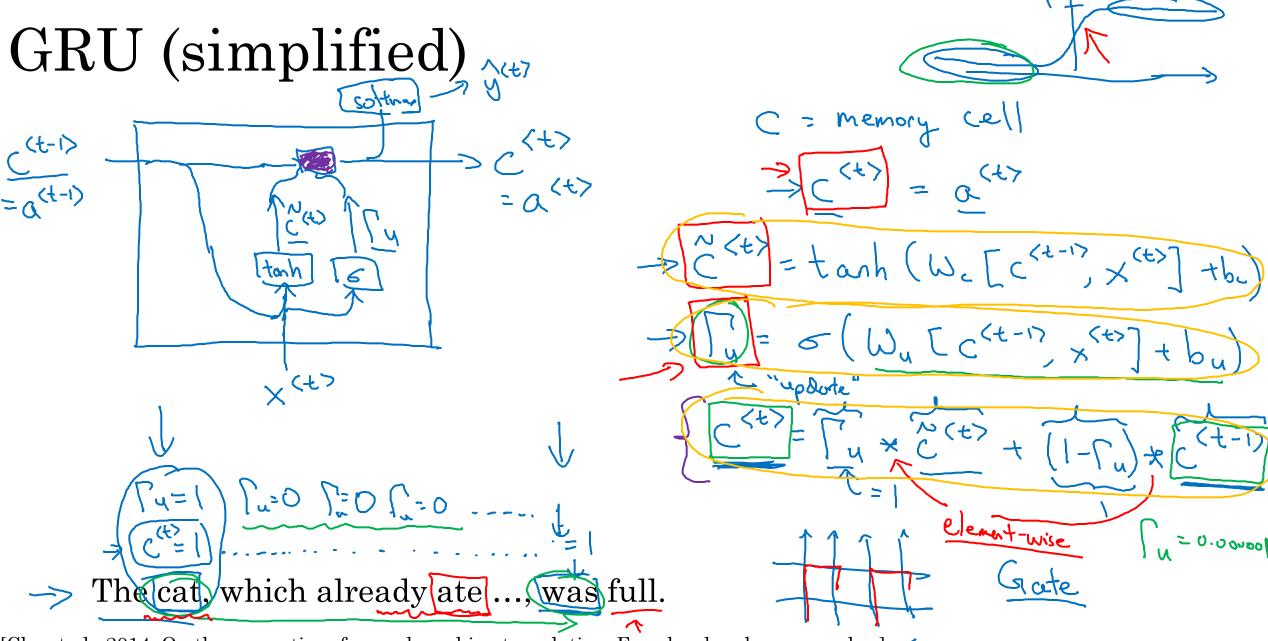


Recurrent Neural Networks

Gated Recurrent Unit (GRU)

RNN unit 9 (F) < E-1> (t) tanh

$$\underline{a^{< t>}} = g(W_a[a^{< t-1>}, x^{< t>}] + b_a)$$



[Cho et al., 2014. On the properties of neural machine translation: Encoder-decoder approaches] (Chung et al., 2014. Empirical Evaluation of Gated Recurrent Neural Networks on Sequence Modeling)

Andrew Ng

Full GRU

The cat, which ate already, was full.