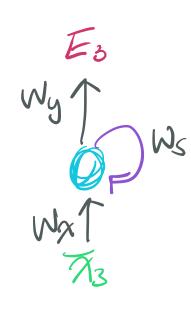
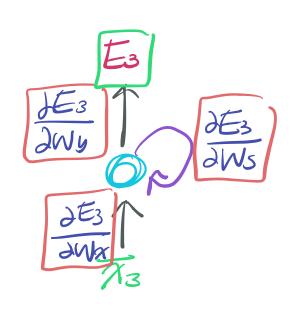
Nov 16, 2019 L3,17

Backpropagation Through time (BPTT)

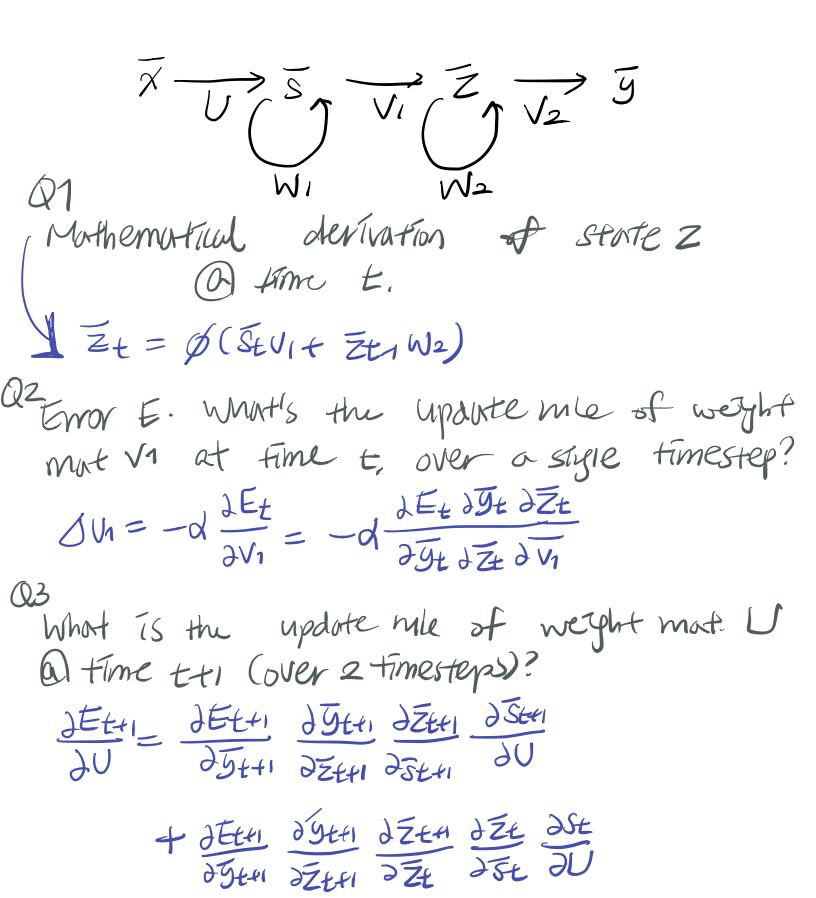




 $\begin{array}{c|c}
\hline
S_3 = (J_3 - J_3)^2 \\
\hline
W_5 & J_5 \\
\hline
W_5 & J_5 \\
\hline
W_8 & J_5 \\
\hline
W_8 & J_8 \\
\hline
W_9 & J_$

Accumulative gradumt @ +Times+=3.

$$\frac{2E_3}{2W_3} = \frac{E_3}{3} \cdot \frac{d5_3}{d5_3} \cdot \frac{d5_3}{3W_3}$$



+ 2 Et+1 25t+1 25t+1 25t+1 25t
25t+1 25t+1 25t+1 25t+1 25t
25t+1 2

Folded Model

Wy

Wy

Was

Sa