

Attention Mechanism in Equations (2)

Decoder state:

$$s_i = \tanh(U_d s_{i-1} + W_d E_d \hat{y}_{i-1} + \textcolor{red}{C} c_i + b_d)$$

Output projection:

$$t_i = \tanh(U_o s_i + W_o E_d \hat{y}_{i-1} + \textcolor{red}{C}_o c_i + b_o)$$

...context vector is mixed with the hidden state

Output distribution:

$$p(y_i = k | s_i, y_{i-1}, c_i) \propto \exp(W_o t_i)_k + b_k$$