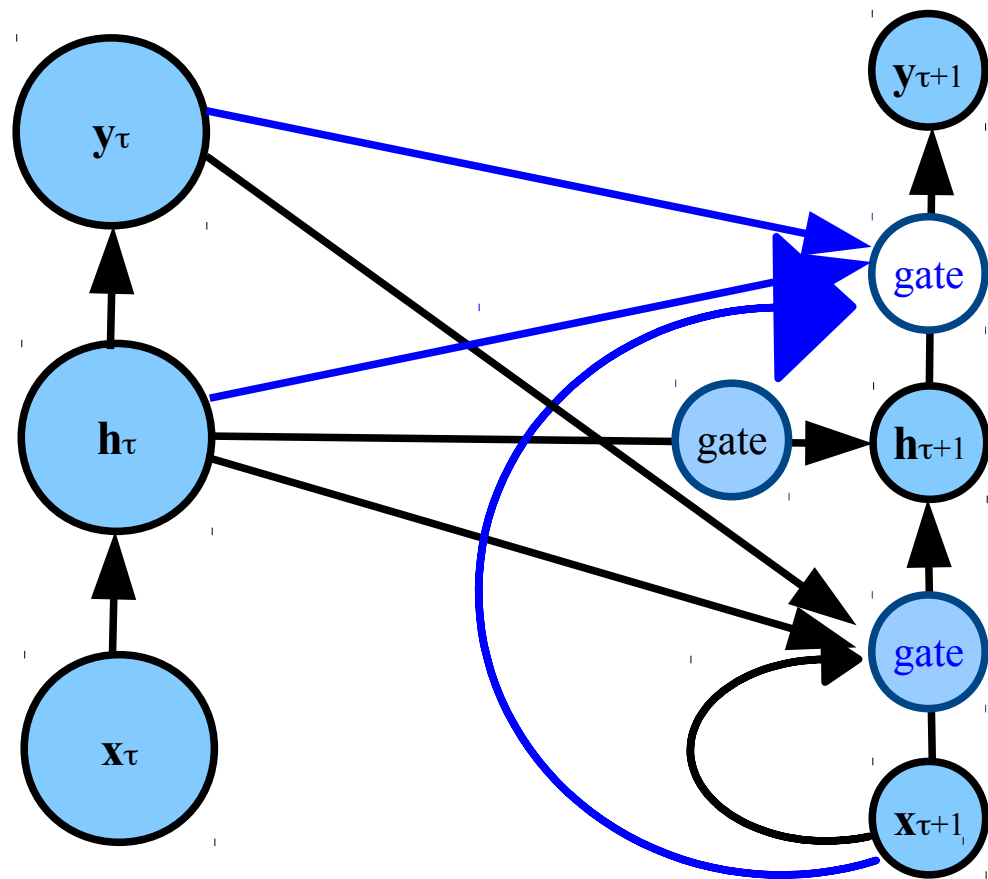


# LSTM



$$h_{\tau+1} = h_\tau \sigma(\mathbf{W}(h_\tau + x_{\tau+1} + y_{\tau+1}))$$

- $\sigma(x) = (1 + e^{-x})^{-1}$
- $x = y_\tau + h_\tau + x_{\tau+1}$