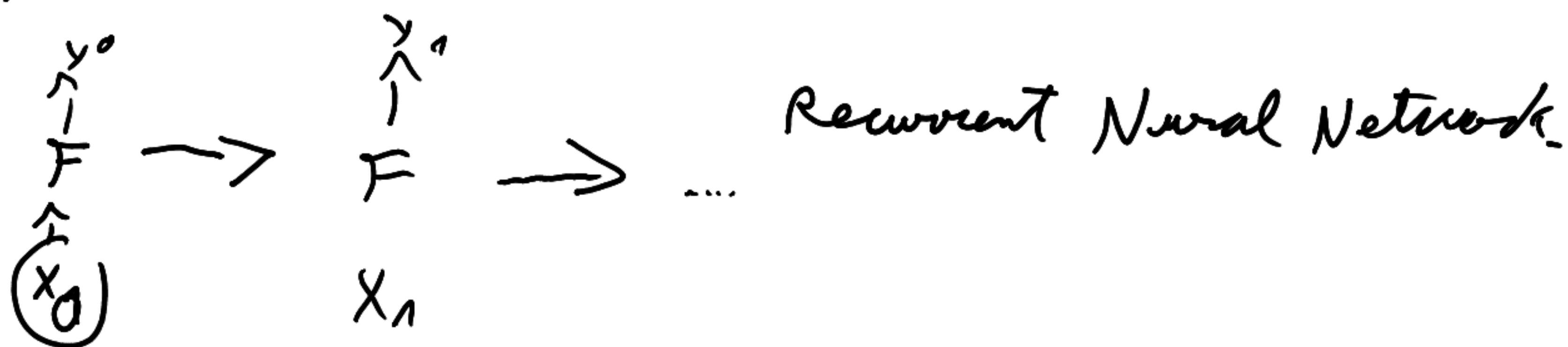


+ Up until now we lacked context



• Look into RNN.

+ LSTM's

Builds on top of an RNN.

By giving a cell state on top of it in a bidirectional manner.

IE. RNN \Rightarrow Value is kept but degrades,

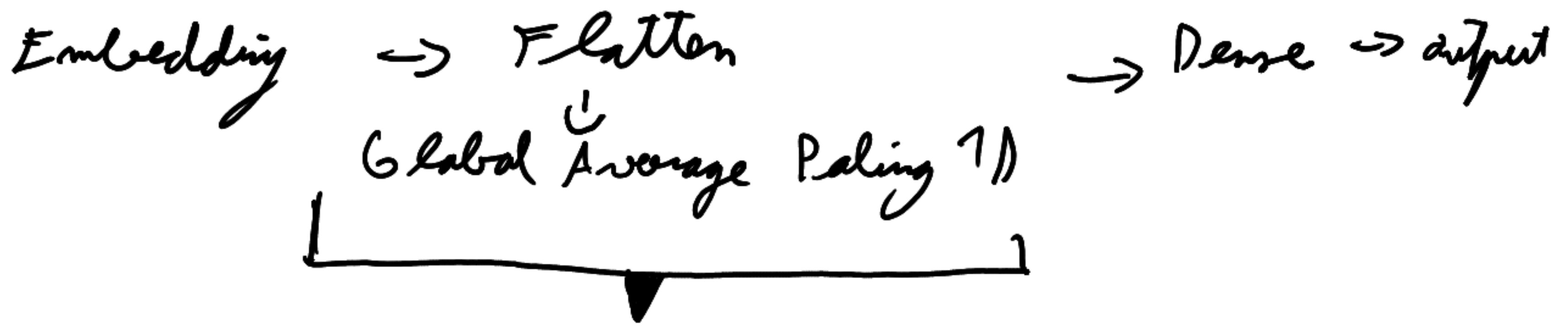
LSTM \rightarrow Value is kept but the cell state adds additional weights

1 layer vs 2 layer

2 \rightarrow very smooth, so we trust it more

80% even with many cent of vocabulary.
forming

+ RNN with convolutions, Gated Recurrent Unit.



This can be messed around with

For example: Bidirectional (LSTM)

Overfitting happens easily in LSTM

Another layer type: Conv 1D \rightarrow

\rightarrow Global max pooling layer.

When using convolutions we are applying a filter

Will always output vocab words.