

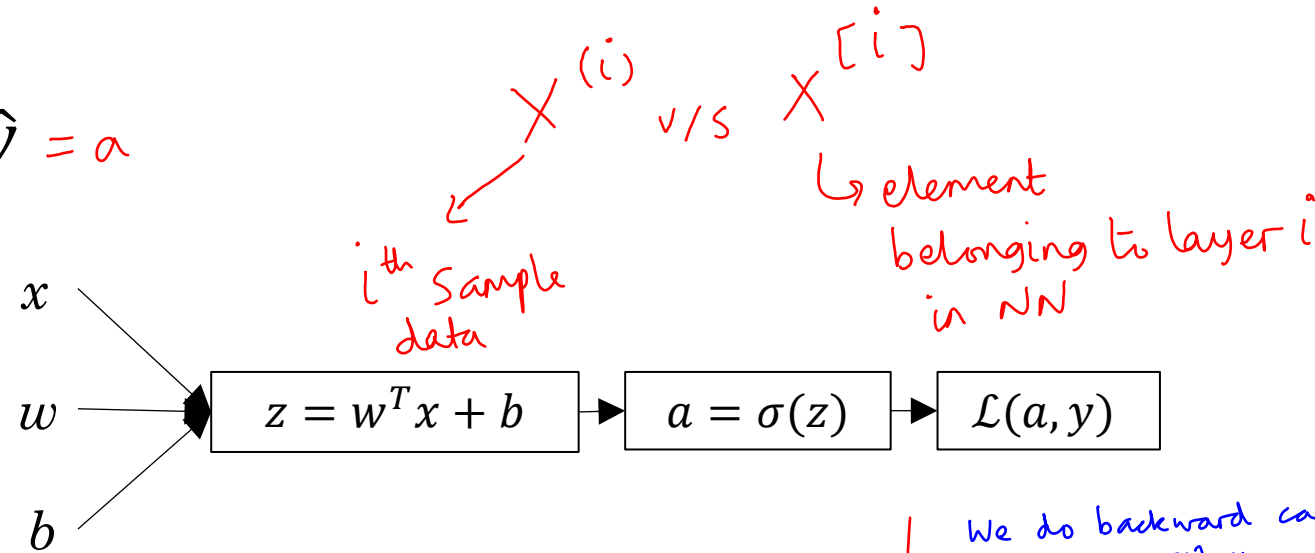
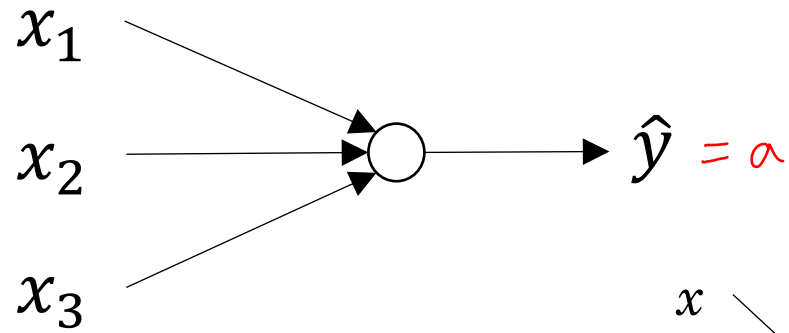


deeplearning.ai

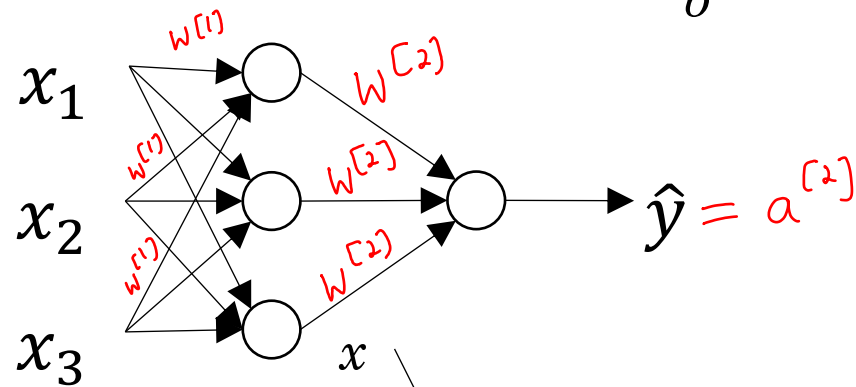
One hidden layer
Neural Network

Neural Networks Overview

What is a Neural Network?



$X^{(i)}$ v/s $X^{[i]}$
 \swarrow \searrow
 i^{th} sample data \rightarrow element belonging to layer i in NN



All weights in layer 1 = $w^{[1]}$
 " " " 2 = $w^{[2]}$
 All bias in layer 1 = $b^{[1]}$
 " " 2 = $b^{[2]}$

We do backward calc
 to find $da^{[2]}$, then $dz^{[2]}$
 then $da^{[1]}$, then $dz^{[1]}$
 then $dw^{[1]}$, then $db^{[1]}$

