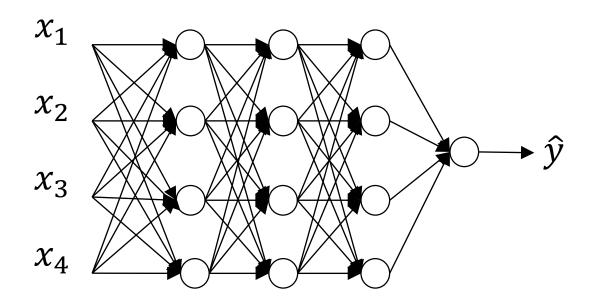


Regularizing your neural network

Dropout regularization

Dropout regularization





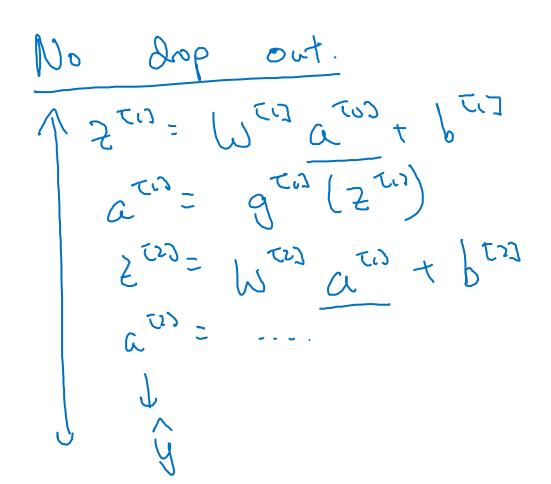
Implementing dropout ("Inverted dropout")

Illustre with lags
$$l=3$$
. teep-pnb= $\frac{0.8}{t}$
 $\Rightarrow [A3] = np. nordom. rand (a3. shape [0], a3. shape [1]) < teep-pnob

 $a3 = np. multiply (a1, d3)$
 $t = a3 t = d3$.

 $t = a3 t = d3$.$

Making predictions at test time



/= keap-pols



Regularizing your neural network

Understanding dropout

Why does drop-out work?

Intuition: Can't rely on any one feature, so have to spread out weights. Shrink weights.

