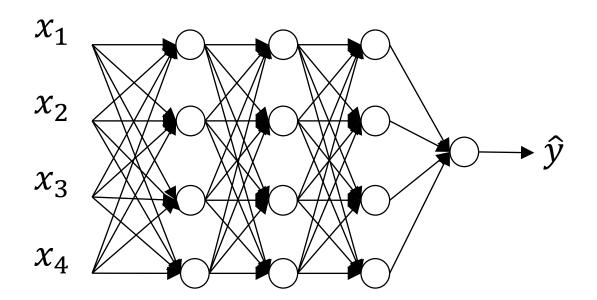


Regularizing your neural network

Dropout regularization

Dropout regularization



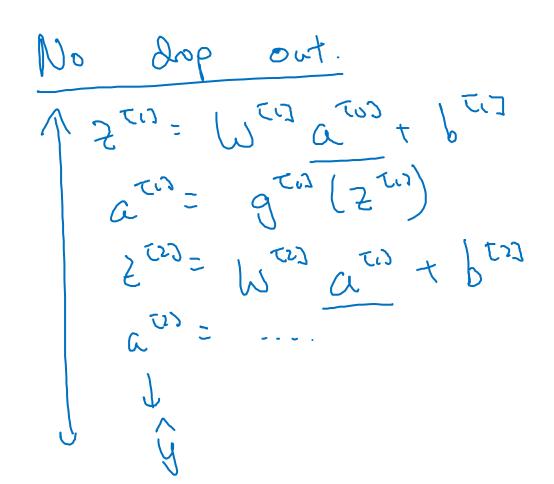


Implementing dropout ("Inverted dropout")

Illustre with lager
$$l=3$$
. teep-pnb= 0.8
 0.2
 $|a|= np. nordom. rand (a.3. shape [0.7], a.7. shape [1.7]) < keep-pnob

 $|a|= np. multiply (a.1, d.3)$
 $|$$

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.

