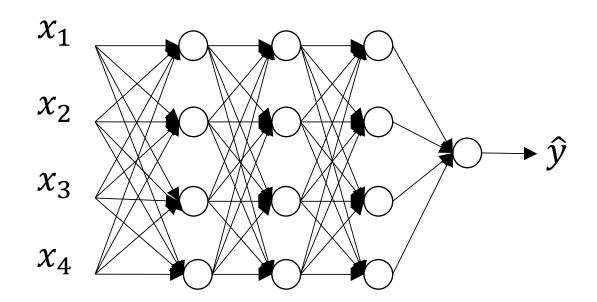


Regularizing your neural network

Dropout regularization

Dropout regularization





Implementing dropout ("Inverted dropout")

Illustre with lay
$$l=3$$
. teep-prob= 0.8
 $3 = np$. random. rand (a.3. shape 70.7 , a.3. shape 70.7) < keep-prob

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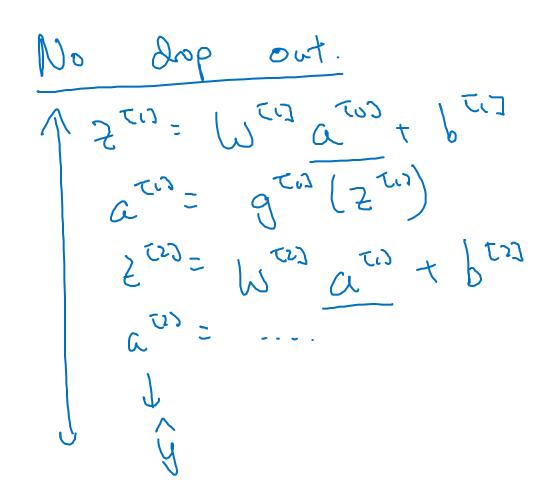
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 $3 = np$.

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.

