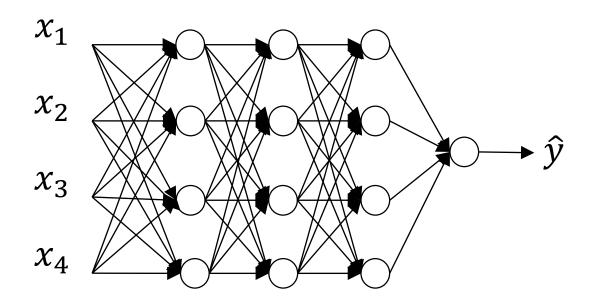


Regularizing your neural network

Dropout regularization

Dropout regularization





Implementing dropout ("Inverted dropout")

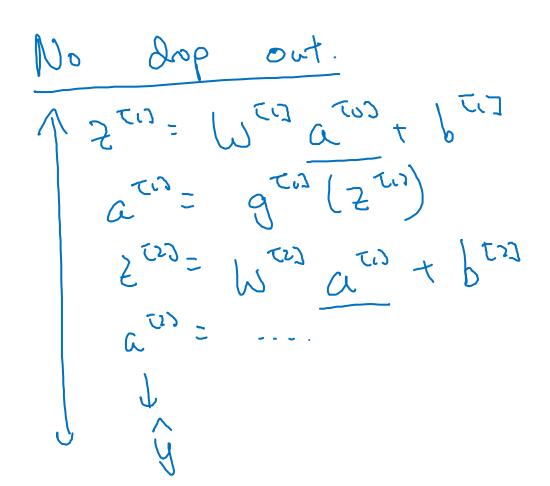
Illustre with lags
$$l=3$$
. teap-pnb=0.8

 $3 = np$. random. rand (a3. shape [0], a3. shape [1]) < teap-pnbb

 $3 = np$. multiply (a1, d3) # a3 $e= d3$.

 $1 = \frac{1}{2} =$

Making predictions at test time



/= keap-prob



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.

