3/28 Neural Net	inor/s	
Gradient Descent		
	typically can find a local min/max, not always find global min/max	
Stochartic GD Good: Approximate	of the Cost function	
	locally maximize the cost	
, ,	tworks fell short for XOR. Couldn't find the line but norks for OR, it is linearly separable - XOR(X1, X2) = h, V hz	
Forward Propagat 3 models &		
(X) \(\)	W (N) W (y) W (h2)	
	using X1,X2 pgistic Regression to predict h1, some for h2 , use h1, h2 to predict y	

Feedforward N	Λ1				
		ic feature.			
,		1	-W00	Wo, 7 - XI	7 [617]
matrix no	er, learning a spect tation: hi hz	= 6	Wio	WII X2] t [b2])
	V	z 6 ([Woo -	$\begin{bmatrix} 1 & b_1 \\ b_2 \end{bmatrix}$	+612)
Back Popaga	tion NN		h - 1		
from RHS	-> LHS				
(ost (w, b) =	- 5 Ey; log	[6(-w ⁷)	(i +b)) t	(1-yi) log(1-	6 (-w ^T xi + b))]
Tunning Par	ame ters				
J					
8 steps.					