Course outline

course work?

Week 0

Week 1

Week 2

Week 3

neurons)

(Intuition)

functions

Units

code

function

cross entropy

Unit 5 - Week 3

How does an NPTEL online

 Feedforward Neural Networks (a.k.a multilayered network of

Feedforward Neural Networks

Learning Paramters of

Output functions and Loss

Backpropagation (Intuition)

Backpropagation: Computing Gradients w.r.t. the Output

Backpropagation: Computing Gradients w.r.t. Hidden Units

Backpropagation: Computing Gradients w.r.t. Parameters

Backpropagation: Pseudo

Derivative of the activation

○ Information content, Entropy &

Lecture Material for Week 3

O Quiz: Assignment 3

Week 3 Feedback

week 4

Week 5

Week 6

Week 7

Week 8

Week 9

week 10

Week 11

Week 12

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squared error loss

NPTEL » Deep Learning - Part 1

1) Entropy	records you have not subm	nment has passed. itted this assignment.		
i, Lindop	is represented as			
<u> </u>				
$-\sum_{i} p_{i} l d$	og q <sub>i</sub>			
$-\sum_{i} p_{i} l d$	$pg p_i$			
$\sum_{i} p_{i} \log$	a:			
	f the above			
	wer is incorrect.			
Score: 0 Accepted A				
$-\sum_i p_i log$	$p_i$			
2) Which o	f the following statement is to	rue?		
O An eve	nt with high probability has hi	igh information content		
	nt with low probability has high			
	nt with low probability has lov f the above	w information content		
No, the ans	wer is incorrect.			
Score: 0 Accepted A	inswers:			
	th low probability has high inf	formation content		
72	yer to the hidden layer are			
Score: 0 Accepted A	wer is incorrect.			
No, the ans Score: 0 Accepted A	wer is incorrect.	Neural Network:		
No, the ans Score: 0 Accepted A	wer is incorrect. Inswers:	Neural Network:		

