



Clarification about Learning Rate Decay Video

Please note that in the next video, at time 3:35, the values for alpha should be:

Epoch 1: alpha 0.1

Epoch 2: alpha 0.067

Epoch 3: alpha 0.05

Epoch 4: alpha 0.04

The formula for learning rate decay is:

$$\alpha = \frac{1}{1 + \text{decayRate} \times \text{epochNumber}} \alpha_0$$

Learning rate decay

1 epoch = 1 pass through data.

$$\alpha = \frac{1}{1 + \text{decay-rate} \times \text{epoch-num}} \alpha_0$$

$\alpha_0 = 0.2$
 $\text{decay-rate} = 1$

Epoch	α
1	0.1
2	0.067
3	0.05
4	0.04
...	...

Diagram illustrating the decay of the learning rate over epochs. A box contains the values $x^{(1)}$, $x^{(2)}$, ..., representing the data passed through the network. Arrows indicate the flow from epoch 1 to epoch 2. A graph shows the learning rate α decreasing over time.

Video player controls: 3:35 / 6:44, Chat, Audio, Settings, Andrew Ng

Mark as completed