

deeplearning.ai

One hidden layer Neural Network

Gradient descent for neural networks

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Porometers:
$$(n^{(1)}, n^{(2)})$$
 $(n^{(2)}, n^{(2)})$ $(n^{(2)}, n^{(2)$

Formulas for computing derivatives

Even of the badding:
$$\begin{aligned}
\xi_{(1)} &= \delta_{(2)}(\xi_{(2)}) = e(\xi_{(2)}) \\
\xi_{(1)} &= \delta_{(2)}(\xi_{(1)}) \leftarrow \\
\xi_{(1)} &= \delta_{(2)}(\xi_{(2)}) \leftarrow \\
\xi_{(2)} &= \delta_{(2)}(\xi_{(2)$$

Back propagation:

$$\begin{aligned}
&\mathcal{Z}^{[2]} = \mathcal{A}^{[2]} = Y \\
&\mathcal{A}^{[1]} = \mathcal{A}^{[2]} = Y
\end{aligned}$$

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&\mathcal{A}^{[2]} = \mathcal{A}^{[2]} = Y \\
&\mathcal{A}^{[1]} = \mathcal{A}^{[2]} = \mathcal{A}^{[1]} = \mathcal{A}^{[1]} = \mathcal{A}^{[1]} = \mathcal{A}^{[2]} =$$

Andrew Ng