

deeplearning.ai

One hidden layer Neural Network

Gradient descent for neural networks

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Parameters:
$$(D^{(1)}, b^{(2)}, b^{(2)$$

Formulas for computing derivatives

Formal propagation!

$$Z^{(1)} = W^{(1)}(Z^{(1)}) \leftarrow$$

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Back propagation:

$$Az^{[2]} = A^{[2]} - Y \qquad Y = [y^{(1)} y^{(2)}, ..., y^{(m)}]$$

$$AU^{[2]} = \frac{1}{m} Az^{[1]} A^{[1]} \qquad (n^{[2]}, 1) \leftarrow (n$$

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