

deeplearning.ai

One hidden layer Neural Network

Gradient descent for neural networks

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Parameters:
$$(\sqrt{17})$$
 b $(\sqrt{17})$ $(\sqrt{17})$

 $V^{\times} = V_{L^{\circ}J} \quad V_{L^{\circ}J} \quad V_{L^{\circ}J} = V$

Formulas for computing derivatives

Formal propagation!

$$Z^{(1)} = U^{(1)}X + U^{(1)}$$

$$Z^{(2)} = U^{(2)}X + U^{(1)} \leftarrow$$

$$Z^{(2)} = U^{(2)}X + U^{(2)} \leftarrow$$

$$Z^{(2)} = U^{(2)}X$$

Back propagation:

$$dz^{CO} = A^{CO} - Y$$

$$dw^{CO} = \int_{M} dz^{CO} A^{CO} T$$

$$dw^{CO} = \int_{M} dz^{CO} T$$

$$dw^{O} = \int_{M} dz^{O} T$$

$$dw^{O}$$