Neural Network Progress:

1. Initialize network with random weights and biases

2. For EACH training example

2a. Compute activations for the entire network.

2b. Compute **δ** for neurons in the output layer using

2c. Compute **δ** for ALL neurons in previous layers

2d. Compute **gradient cost** in each weight and bias for training data using **δ**

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3. Average the gradient w.r.t each weight and bias over the entire training set

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4. Update the weights and biases using gradient descent

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5. Repeat steps 2-4 till cost reduces to an acceptable level.