Backpropagation

Gradient Descent

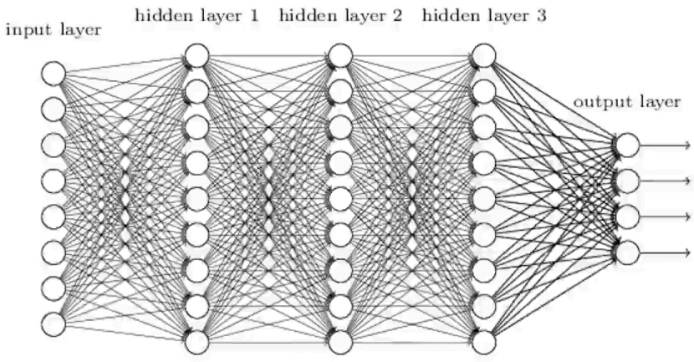
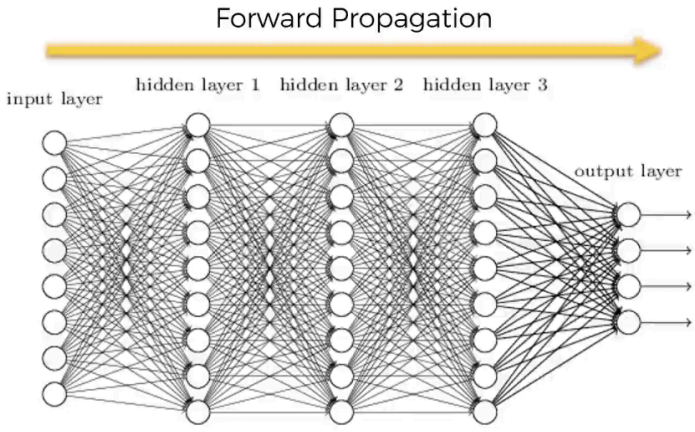


Image Source: neuralnetworksanddeeplearning.com

Gradient Descent



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Gradient Descent

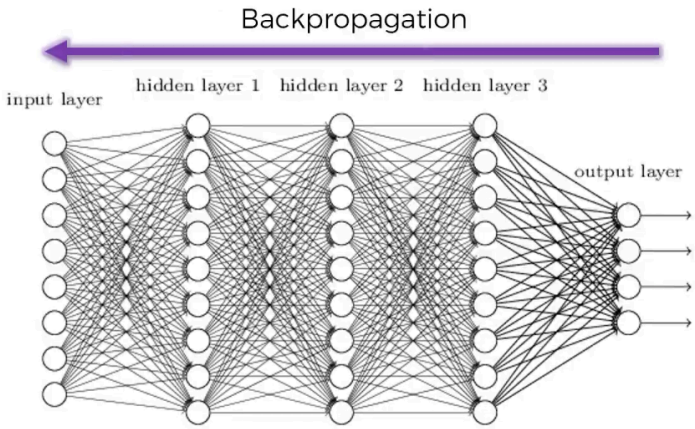


Image Source: neuralnetworksanddeeplearning.com

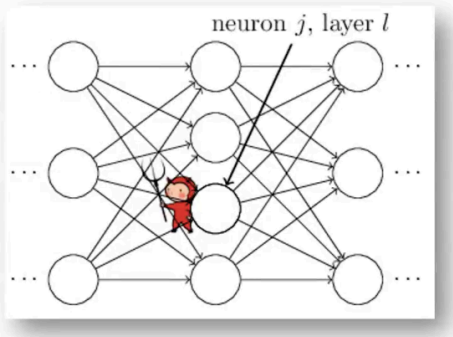
Stochastic Gradient Descent

Additional Reading:

Neural Networks and Deep Learning

Michael Nielsen (2015)

Link:



http://neuralnetworksanddeeplearning.com/chap2.html

Training the ANN with Stochastic Gradient Descent

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STEP 7: When the whole training set passed through the ANN, that makes an epoch. Redo more epochs.