

GLOSSARY

Artificial Intelligence Foundations: Neural Networks

With Doug Rose

Use these terms and definitions below to understand concepts taught in the course.

Transcript Search: note that you can search for terms directly within the course. To search video text, switch to the *Transcripts* tab, then press Cmd/Ctrl + F on your keyboard to run a search within the active transcript.

Term	Definition
activation level	Similar to a level of brightness; determined by the weights of various connections
back propagation	The process of a neural network tweaking each one of the weights to minimize the cost function
The Chain Rule	The concept that, the further back in the chain you go, the more layers will be affected as changes impact the forward layers
multi-layer perceptron	An organization of neuron layers, with an input layer, two hidden layers, and an output layer; doesn't actually use perceptrons
perceptrons	The earliest forms of neural networks; a decision function that takes several binary inputs and produces one binary output