



















deep learning terminology - 1



Neuron

- Nodes in which Data & Computations flow

 It is a mathematical function takes one or more inputs that are multiplied by values called "weights" and added together, this value is then passed to a non-linear function, known as an activation function, to become the neuron's output





Deep Learning Terminology - 2



Weights

• Values that control the strength of the connection between two neurons



- Inputs multiplied by weights, and that defines how much influence the input will have on the output
- when the inputs are transmitted between neurons, the weights are applied to the inputs along with an additional value (the bias)





deep learning terminology - 3



Synapse

 Synapses are like roads in a neural network



- Each connection between two neurons has a unique synapse with a unique weight attached to it.
- In order to get from one neuron to another, you have to travel along the synapse paying the "toll" (weight) along the way



