

- **Neural networks**

- **Neural nets**

inputs weights

summing

activation



input hidden

output

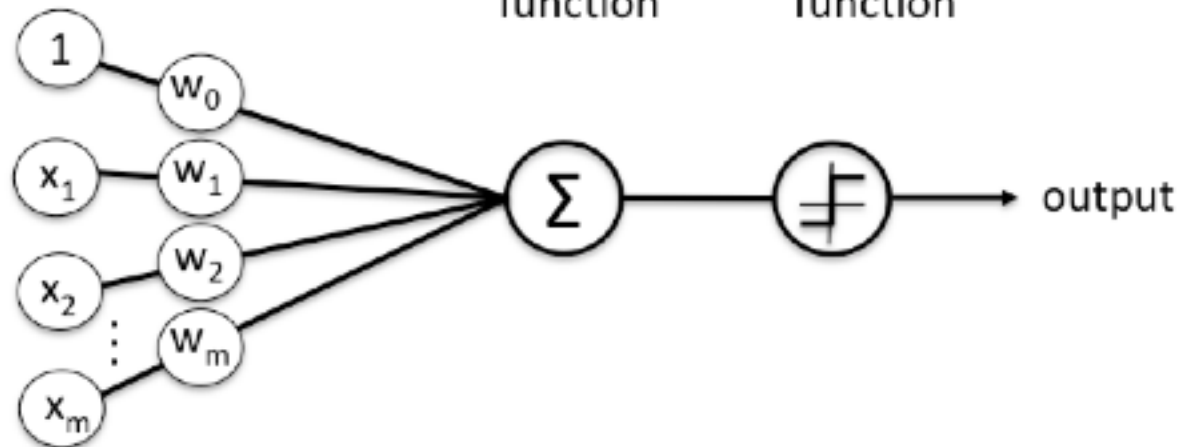


Inputs

Weights

Net input
function

Activation
function



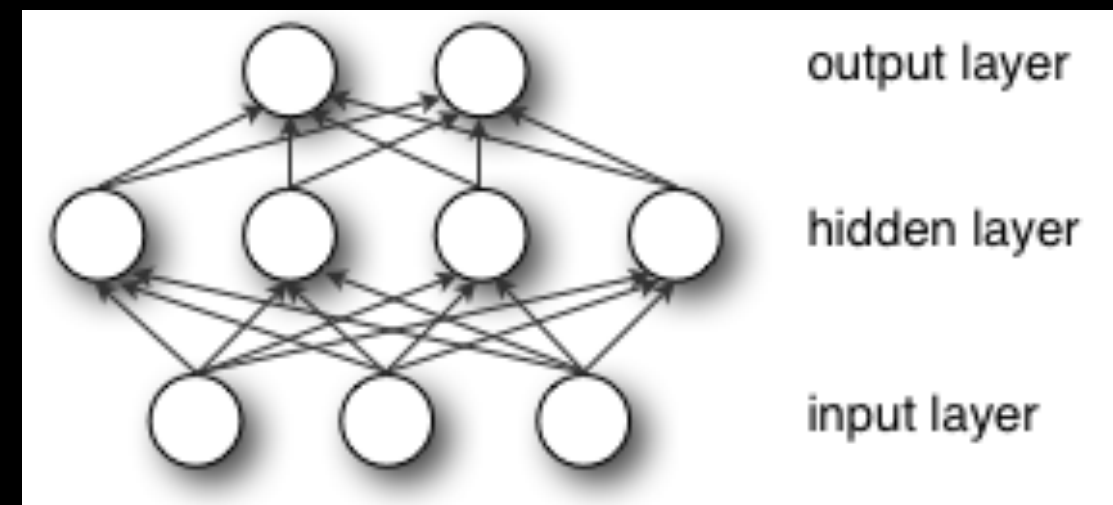
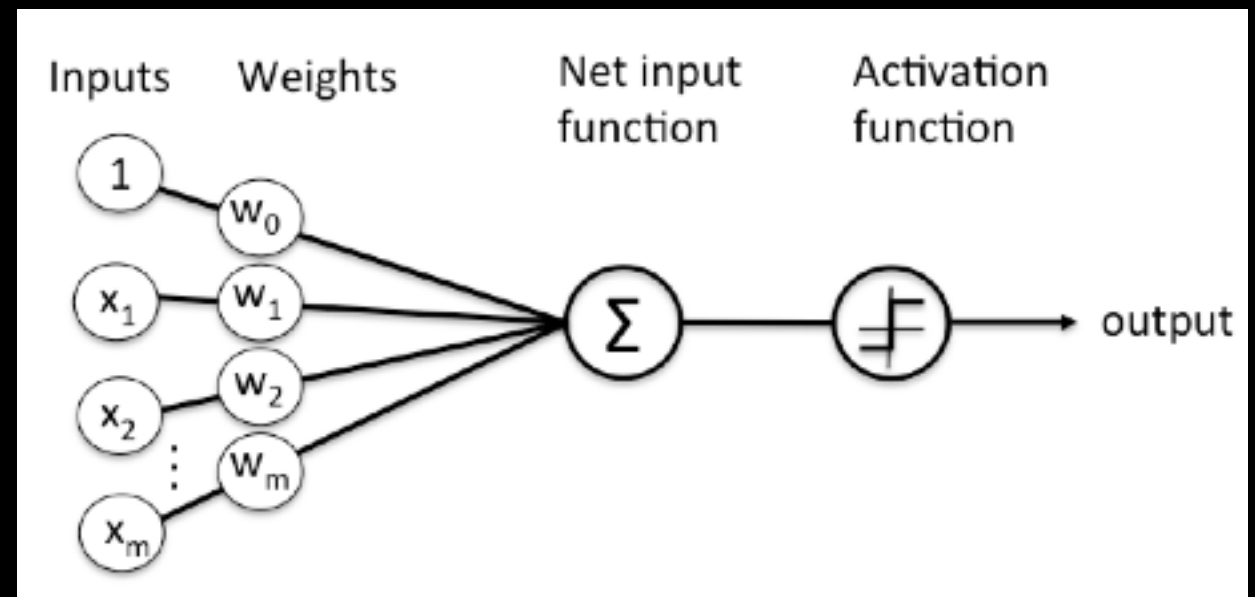


output layer

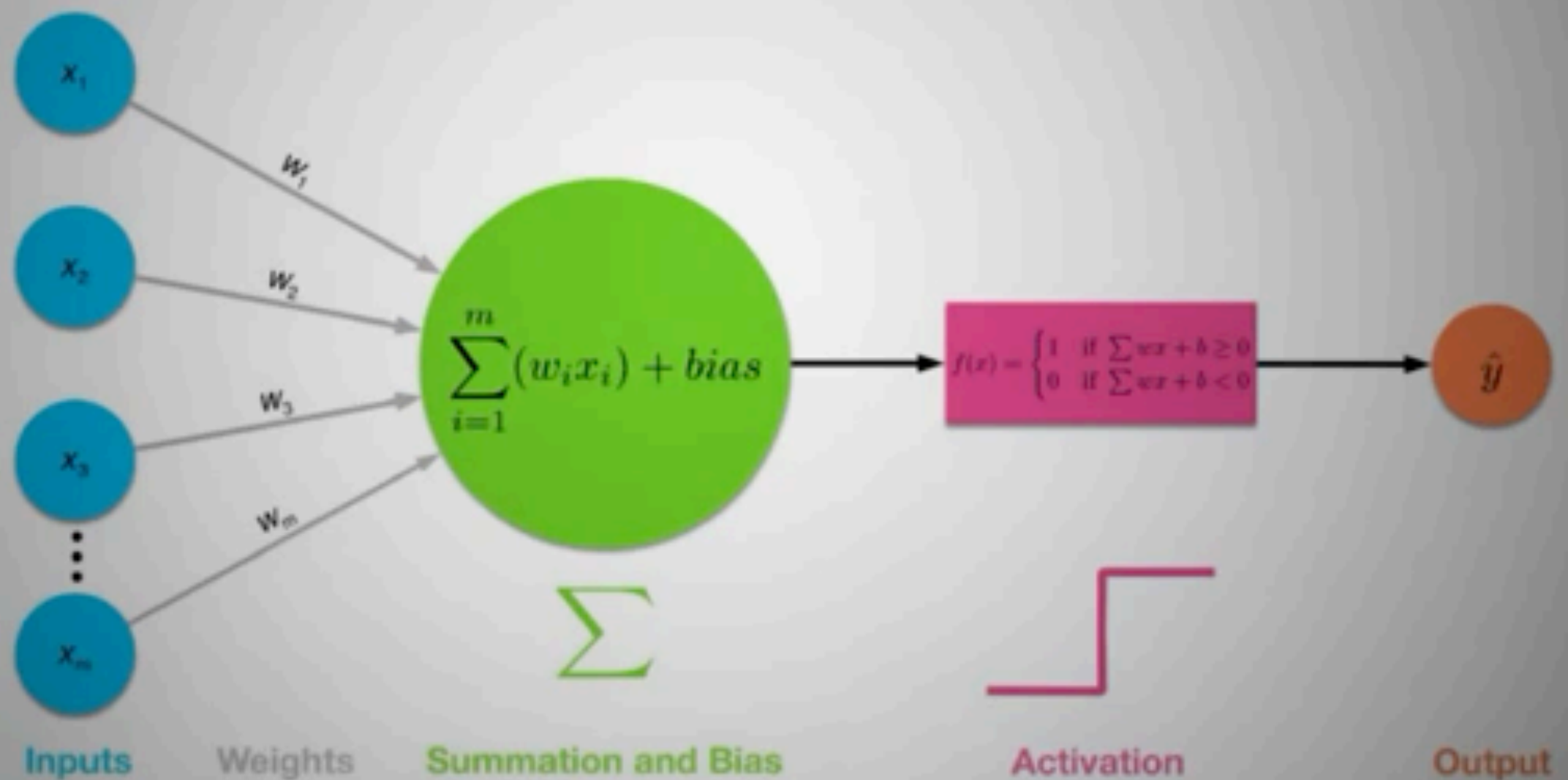
hidden layer

input layer

- **Neural networks** are a set of algorithms, modeled loosely after the human brain, that are designed to recognize patterns.
- **Neural nets** have several elements: inputs, weights on these inputs, a summing function, and an activation function that yields some output.
- These elements are organized as input, hidden, and output layers.
- They're a bit complicated, so watch the video on the next slide to see how they work a bit more closely.



ARTIFICIAL NEURON - THE HEART OF A NEURAL NETWORK



Inputs

Weights

Summation and Bias

Activation

Output

