

## Multilayer neural network

- L hidden layers
- Layer pre-activation for  $i > 0, l_0 = X, h(0) = L$

$$h_{(i)} = W_{(i-1)} * L_{(i-1)}$$

- Hidden layer activation (from  $i = 1$  to  $L$ )

$$h_{(i)} = a(h_{(i)})$$

