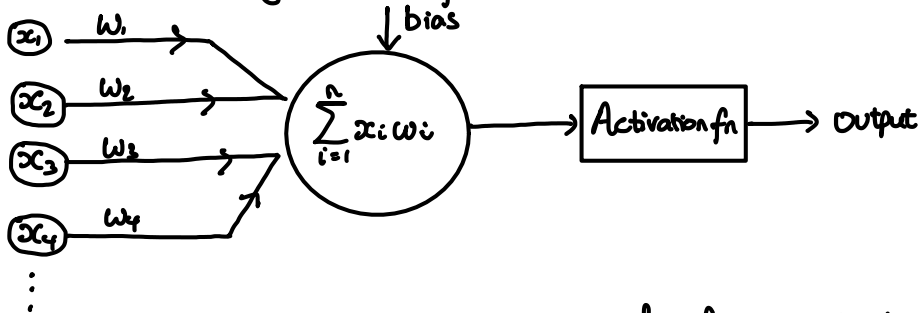


# Machine Learning - Architectures

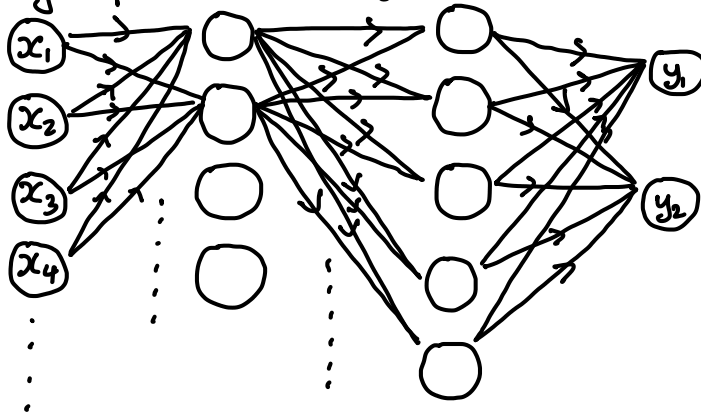
Tuesday 29 October 2024 14:28

Neuron: A single neuron functions as:



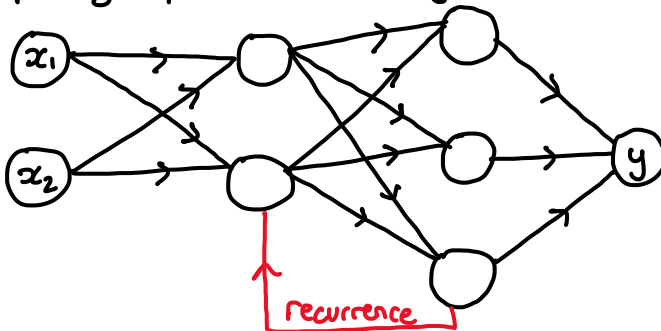
Multi-layer Perceptron: a series of neurons, feedforward network

Inner layer/input | Hidden layers | Outer layer/output

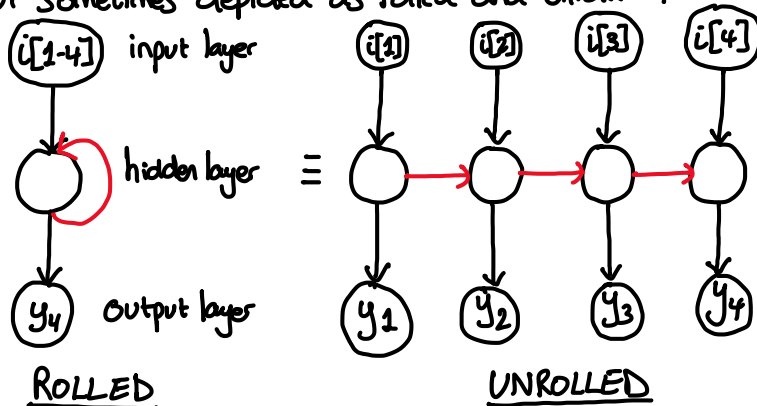


Recurrent Neural Networks: hidden layers have recurrence

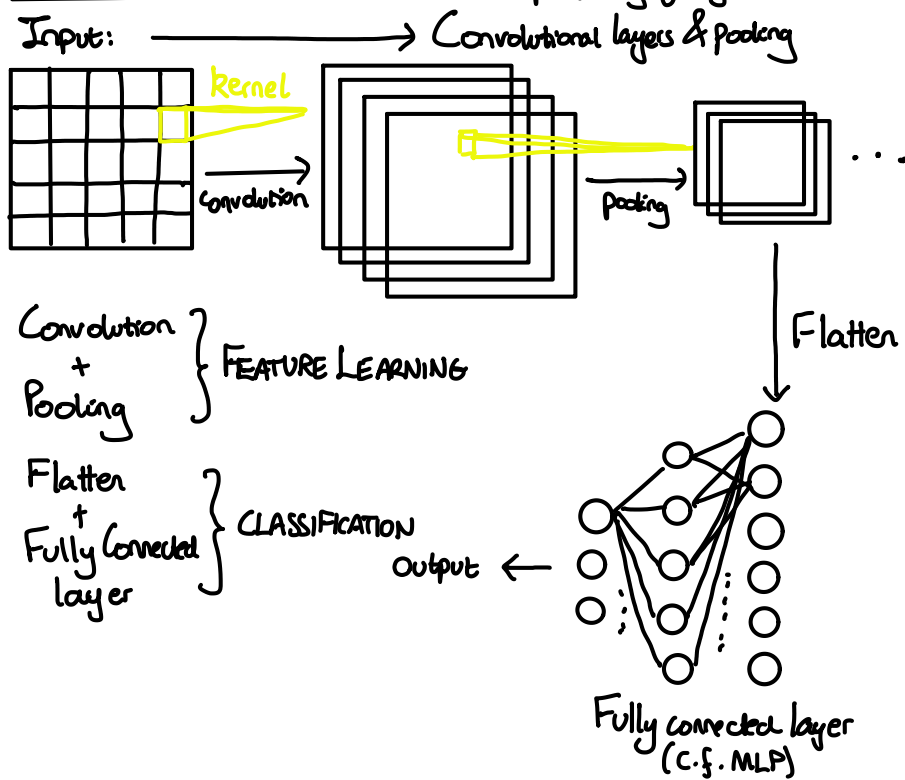
Input layer | Hidden layers | Output



Or sometimes depicted as rolled and unrolled:



## Convolutional Neural Networks: specifically for grid like structures



## UNets: Encode then decode

