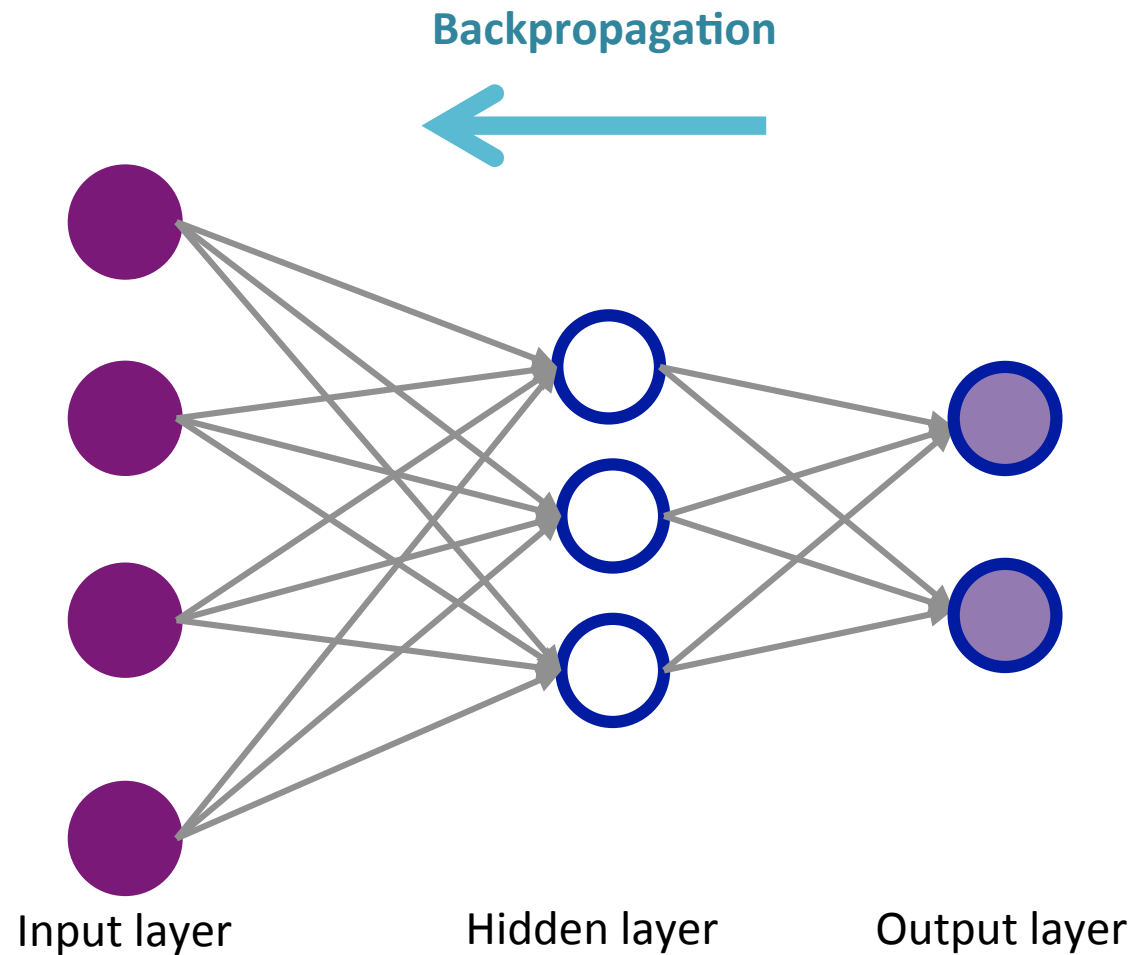
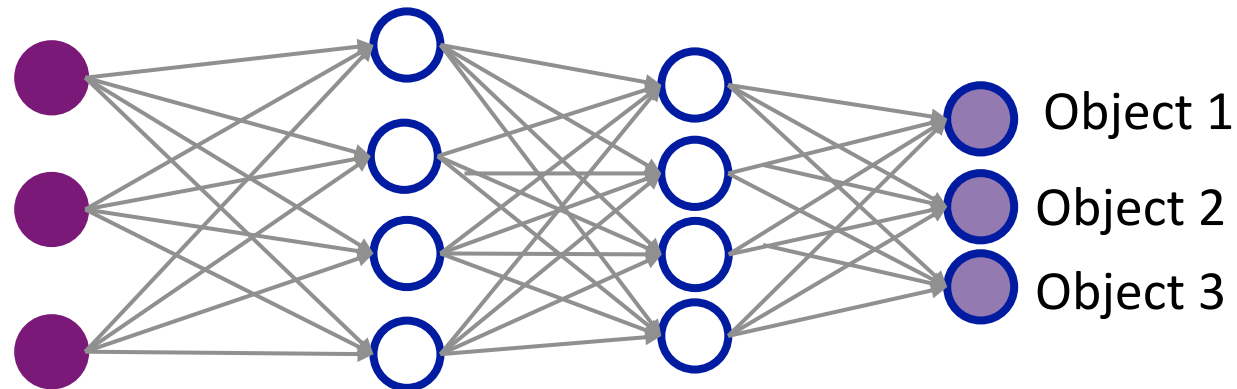


# Feedforward-Backpropagation



# Multiclass & Deep Learning

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- Nowadays, networks with more than two layers, *a.k.a.* deep networks, have proven to be very effective in many domains.
- Example of deep networks: convolutional NN.

# Convolutional NN



“ImageNet Classification with Deep Convolutional Neural Networks”, Krizhevsky et al. NIPS 2012.

# Demo: Tensorflow

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<http://playground.tensorflow.org/>

- Open source software to play with neural networks in your browser.
- The dots are colored orange or blue for positive and negative examples.
- It's possible to choose the activation function, architecture, rate etc.
- Very well done! Let's check it out!