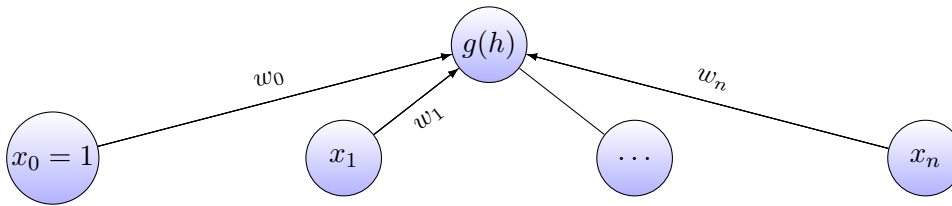
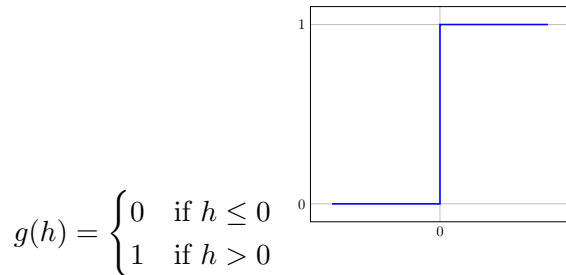


The evolution of the artificial (computational) neuron

$$h = w_0x_0 + w_1x_1 + \dots + w_nx_n, \quad O = g(h)$$



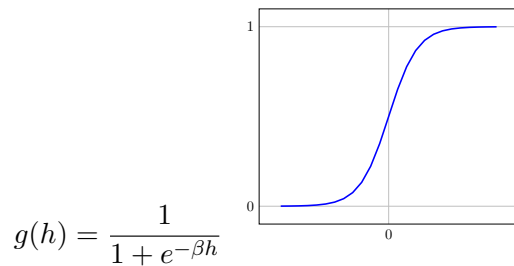
1943: McCulloch and Pitts. Pure threshold unit.



1962: Rosenblatt. Essentially the same as above.

1969: Minsky and Pappert. Essentially same as above.

1986: Rumelhart, Hinton, and Williams. Sigmoid. Multiple layers.



2010: Nair and Hinton. ReLU (Rectified Linear Unit). Deep learning.

