

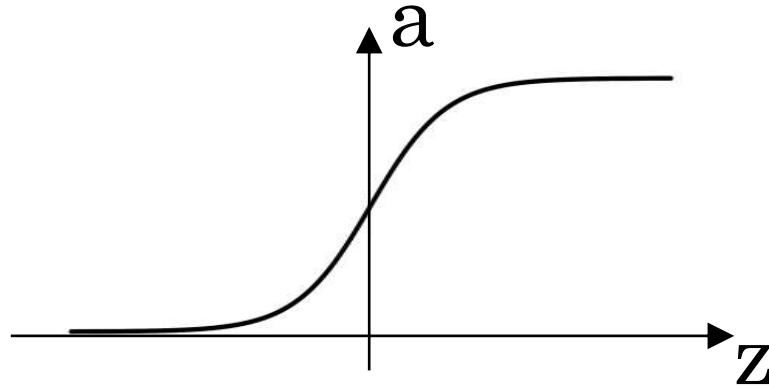


deeplearning.ai

One hidden layer
Neural Network

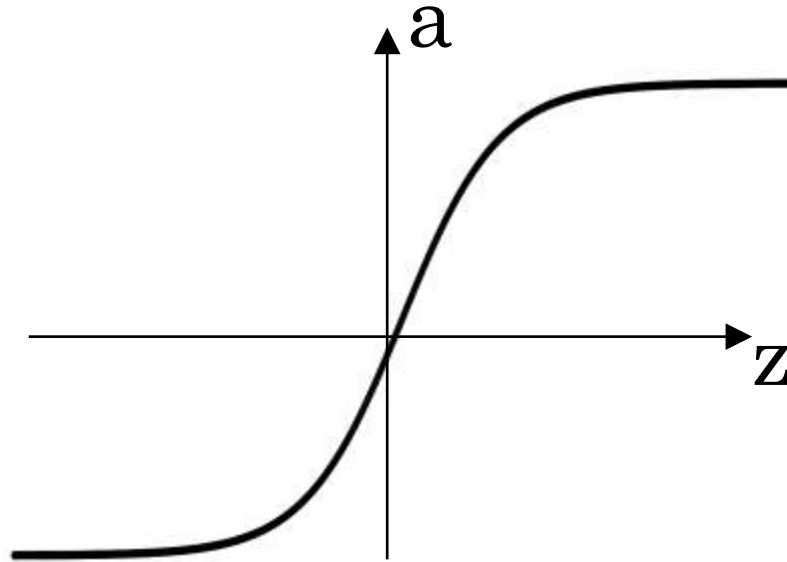
Derivatives of
activation functions

Sigmoid activation function



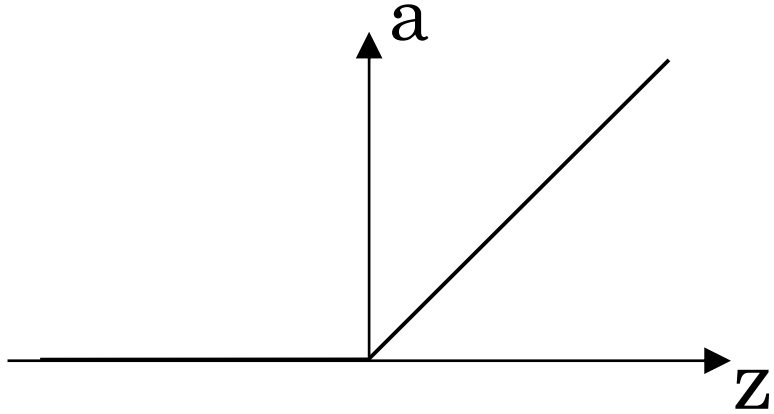
$$g(z) = \frac{1}{1 + e^{-z}}$$

Tanh activation function

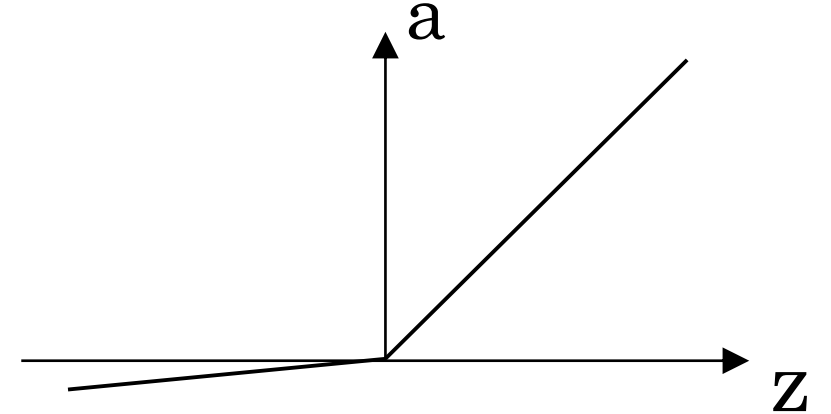


$$g(z) = \tanh(z)$$

ReLU and Leaky ReLU



ReLU



Leaky ReLU