

## Activation

Leaky Relu

PRELU

Max out

RBF

Soft plus

Hard tail

sigmoid

$$\min_{w, b} L(w, b, x^{(i)} t^{(i)}) = \cancel{\text{...}}$$

$$w^{(k+1)} = w^k - \eta \left( \frac{dL}{dw} \right)_{w=w_1^{(k)}} \\ \left( \frac{dL}{dw_1} \frac{\partial L}{\partial w_2} \dots \right) \\ \frac{dL}{dw_{10000}}$$