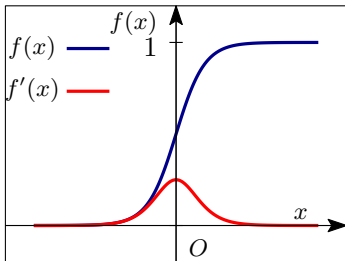


## Sigmoid

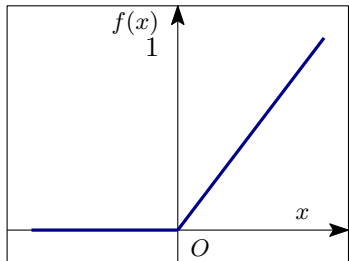
$$f(x) = \frac{1}{1 + e^{-x}} \quad f'(x) = f(x)(1 - f(x))$$



存在梯度消失问题

## ReLU

$$f(x) = \max(0, x)$$



解决梯度消失问题  
收敛速度非常快