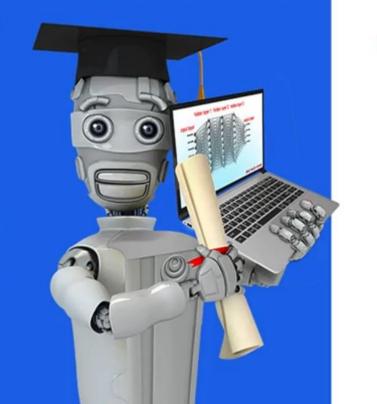
Stanford ONLINE

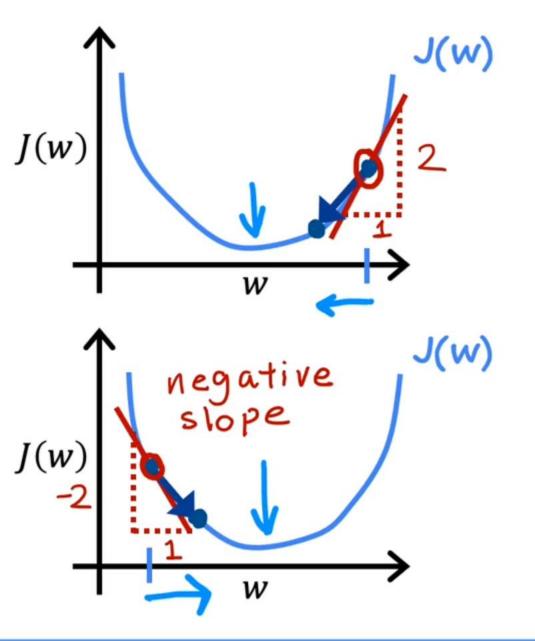
DeepLearning.Al



## Training Linear Regression

Gradient Descent Intuition

## Gradient descent algorithm



$$w = w - \propto \underbrace{\frac{d}{dw} J(w)}_{>0}$$

$$w = w - \underline{\alpha \cdot} (positive number)$$

$$\frac{\frac{d}{dw}J(w)}{\leq C}$$

$$w = w - \alpha \cdot (negative number)$$