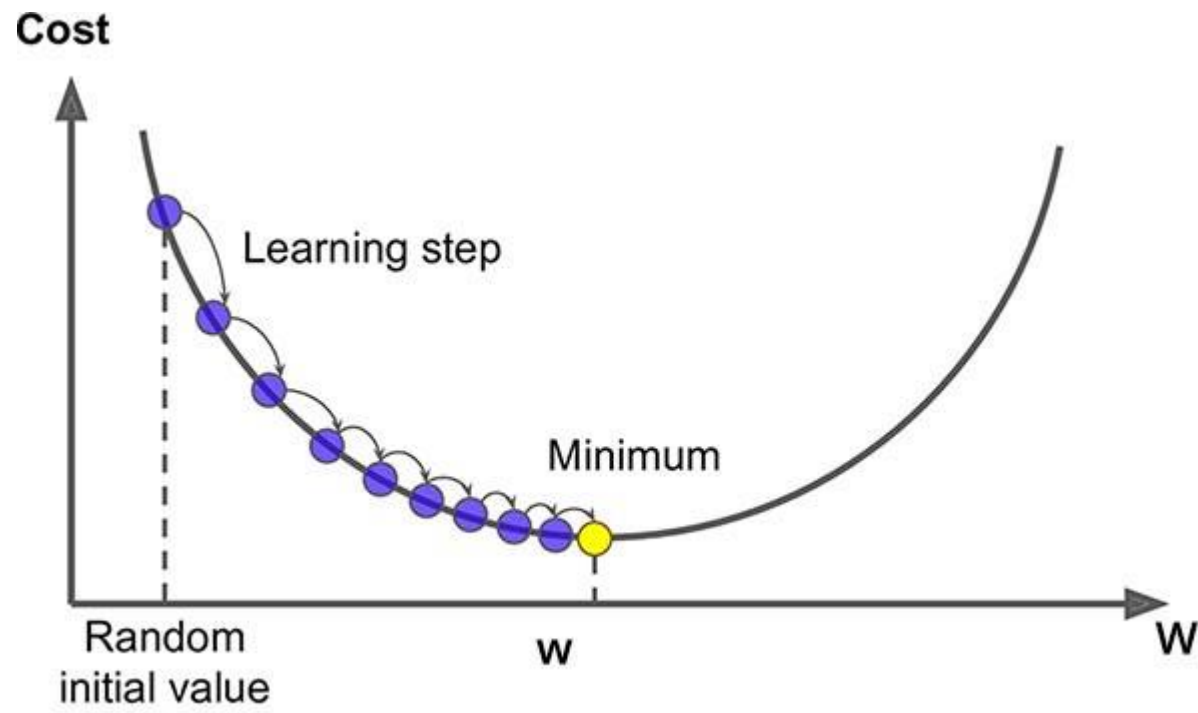


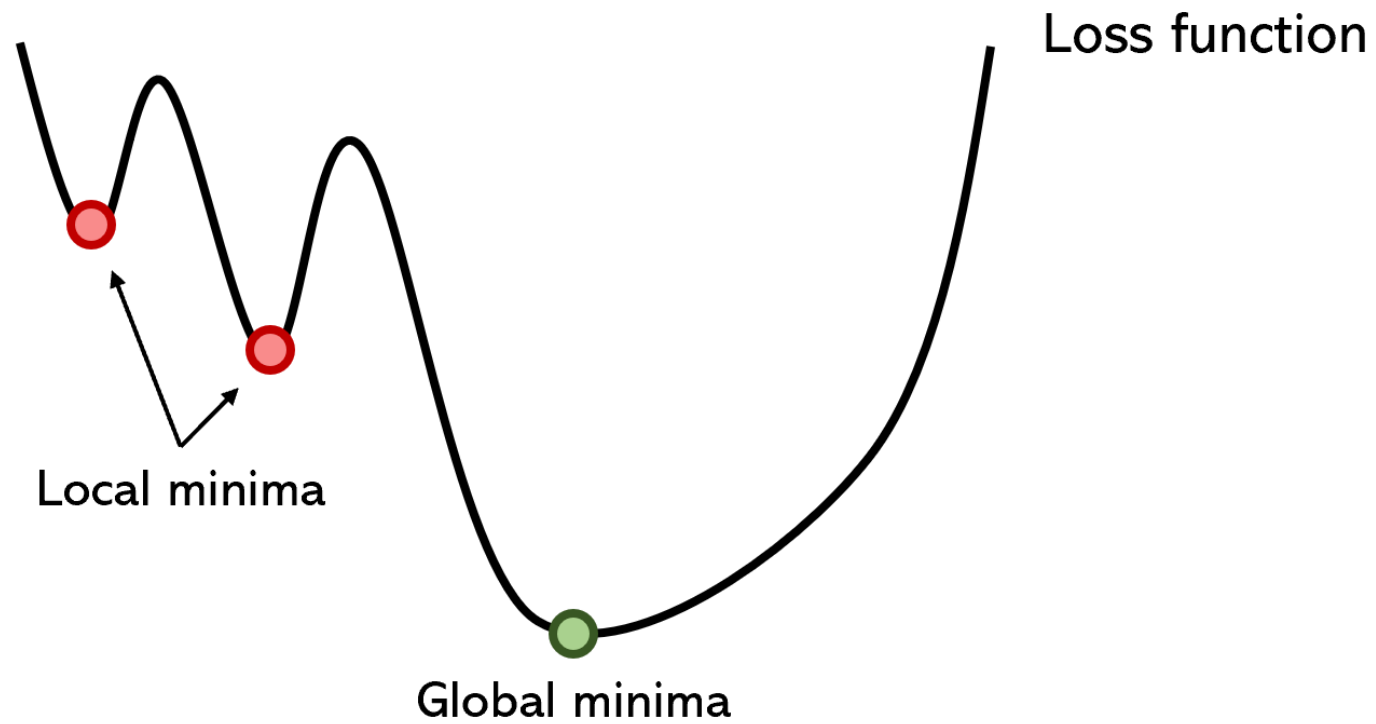
Global & Local Minima in Gradient Descent

By : L Vinay Rajiv Reddy

Gradient descent



But in reality:



Learning Rate

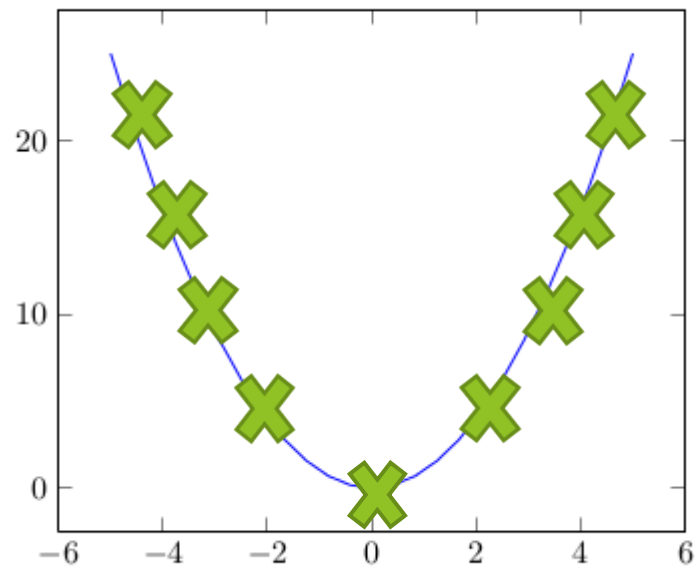
► Learning Rate (α) :

►

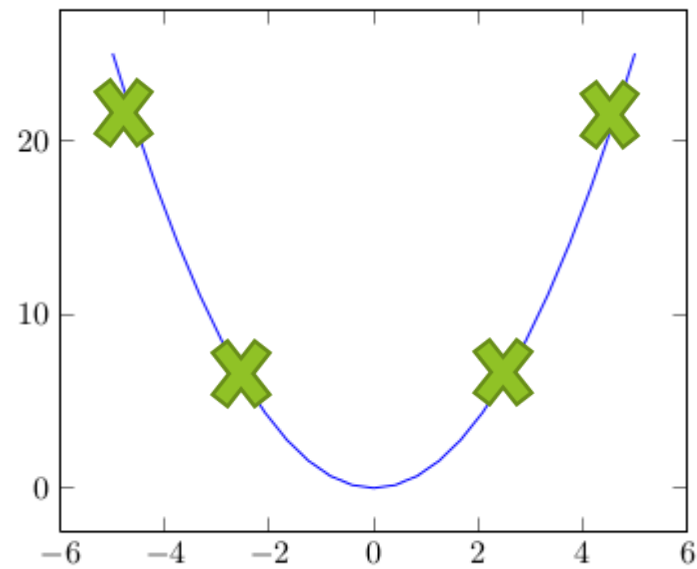
►

$$m = [m - (\text{slope} * \alpha)]$$

► Alpha should be smallest possible to get a better minima (Global minima)



a) Learning rate is low



b) Learning rate is high