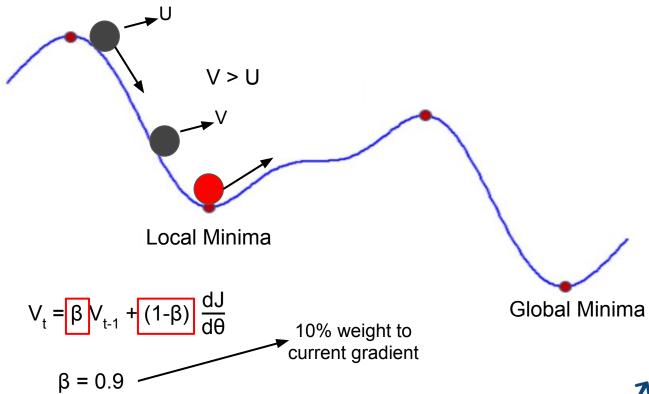
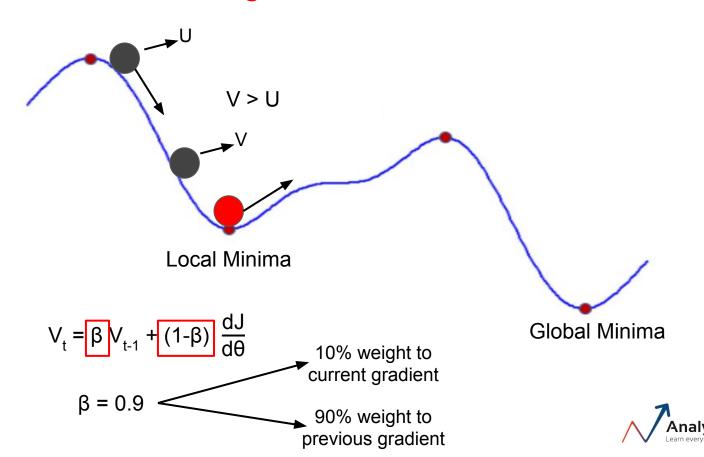


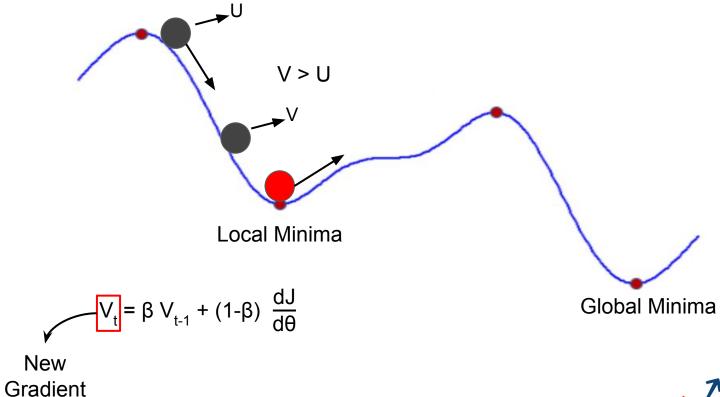
$$\beta = 0.9$$





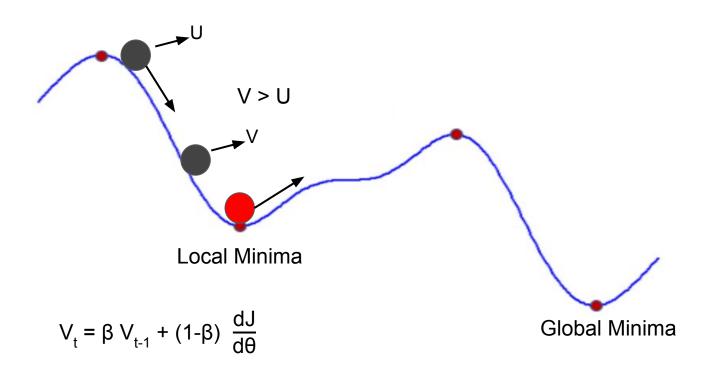








#### Stochastic Gradient Descent with Momentum



 $\theta_i = \theta_i - \alpha * V_t$ 





