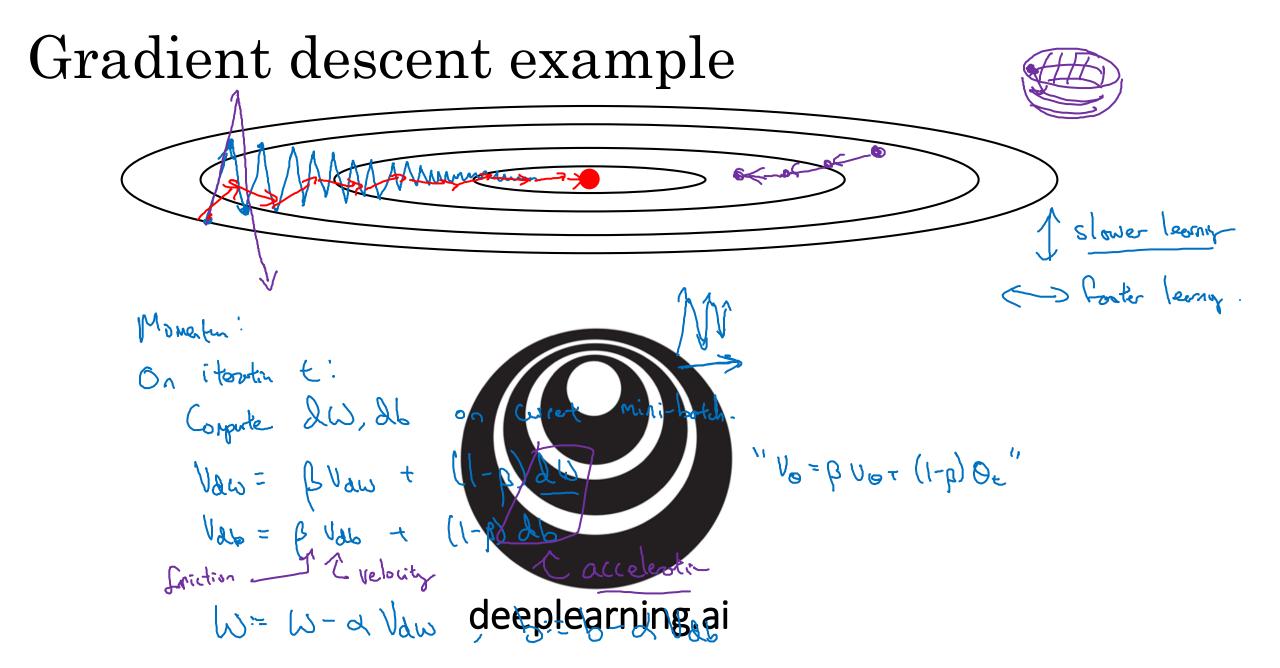


## Optimization Algorithms

## Gradient descent with momentum



## Implementation details

## On iteration t:

Compute dW, db on the current mini-batch

$$v_{db} = \beta v_{db} + (1 - \beta)db$$

$$W = W - \alpha v_{dW}, \ b = \underline{b} - \alpha v_{db}$$

Hyperparameters: 
$$\alpha, \beta$$

$$\beta = 0.9$$
Overlose on last 16 lo graduits