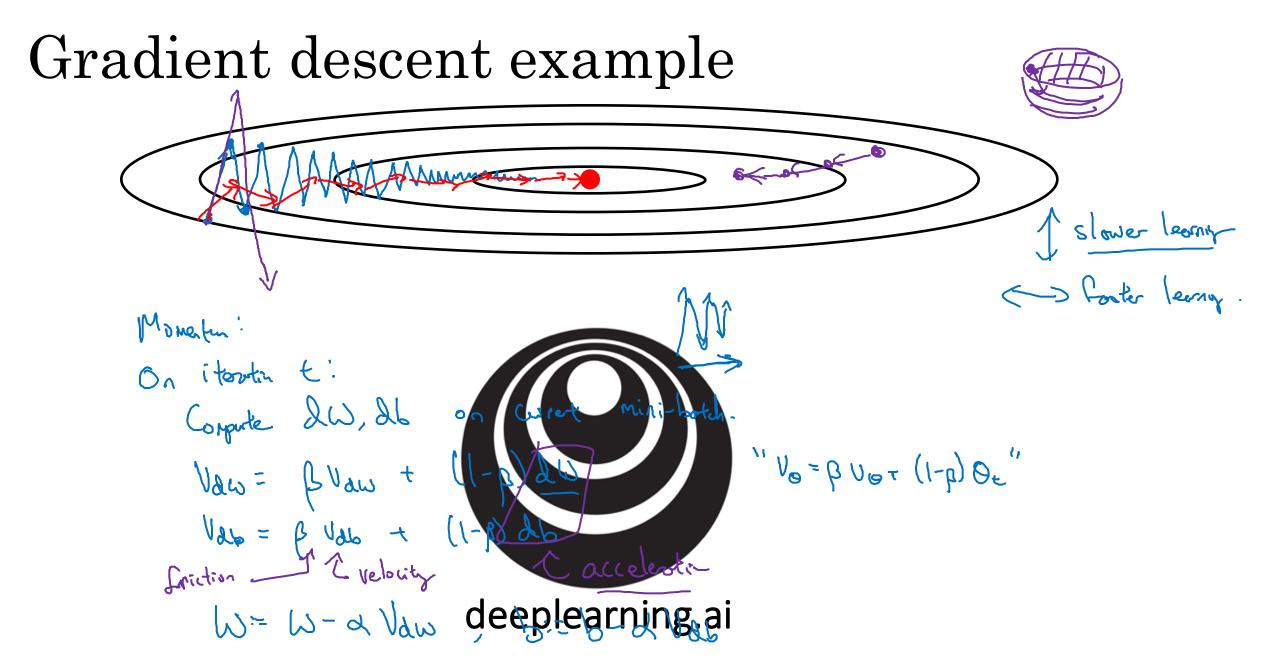


## Optimization Algorithms

## Gradient descent with momentum



## Implementation details

## On iteration *t*:

Compute dW, db on the current mini-batch

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

law / pt

Hyperparameters: 
$$\alpha, \beta$$

$$\beta = 0.9$$
Overloge on last 100 graduats