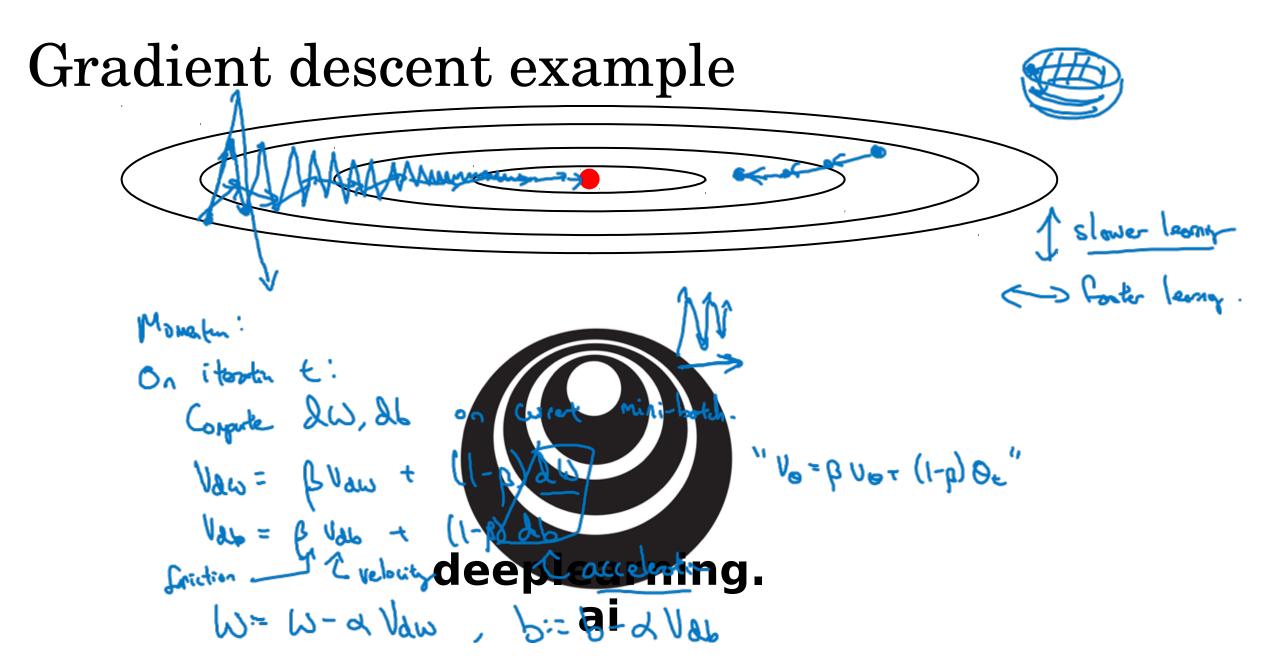


## Optimization Algorithms

Gradient descent with momentum



## Implementation details

## On iteration t:

Compute of the carrent minite batch is batch

$$\rightarrow v_{dW} = \beta v_{dW} + M - \beta dW$$

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

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

Hyperparameters, 
$$\beta$$

$$\beta = 0.9$$
Overlage on last 100 graduts