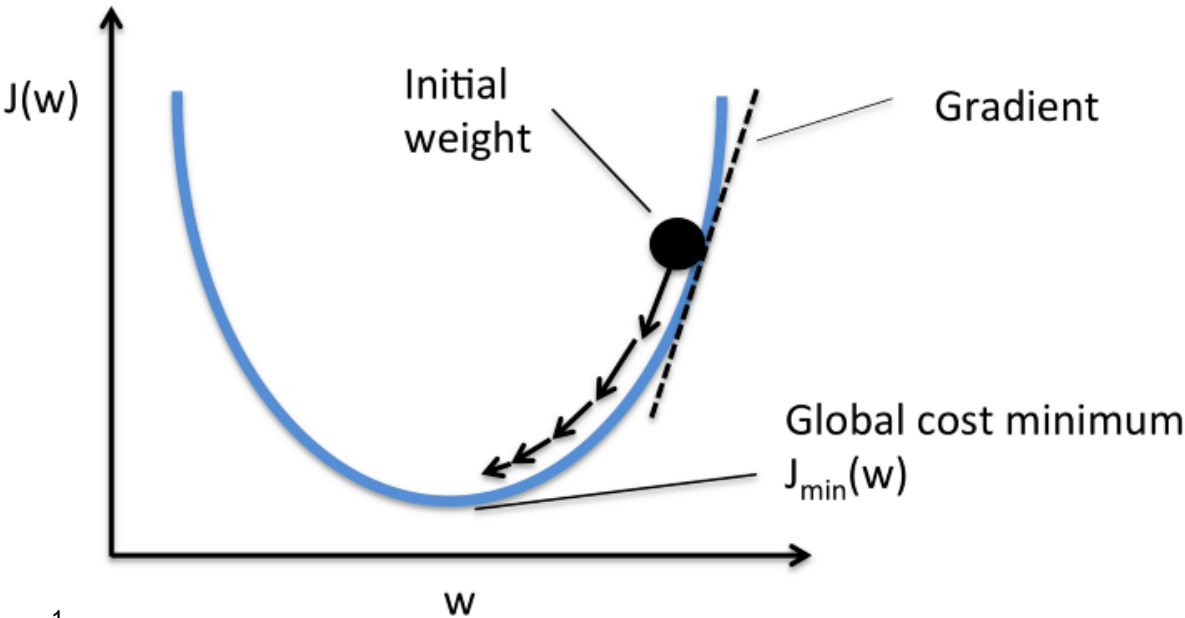


3.1.3 Autograd

- Autograd :
 - 가 (Gradient Decent)
 -
 -
 - Autograd
 -



```
1. import torch

# 1.0
w = torch.tensor(1.0, requires_grad=True)

• requires_grad=True, Autograd w w.grad

a = w*3

• a = w x 3

l = a**2

• a = w x 3 l

l = a^2 = (3w)^2 = 9w^2

# l w backward()
l.backward()
print('l w {}'.format(w.grad))

l w 18.0

• l backward() w.grad w가 w 18
```