

Gradient Descent:

while (error) ^{whatever} $> \epsilon$ and iterations $< n_{iter}$:
calculate J & $\frac{\partial J}{\partial \theta}$ from θ s.

$$\theta = \theta - \alpha \frac{\partial J}{\partial \theta}$$

$\frac{\partial J}{\partial \theta}$: Cost function Derivative with respect to θ

θ : model parameter

α : learning rate

ϵ : stopping value

n_{iter} : maximum number of iterations

