<Model Training steps>

* ex) logistic regression

① "Define model" : specify how to compute output given input x and parameters W, b

$z = np.dot(W, x) + b$

$f\_x = 1/(1 + np.exp(-z))$

② Specify loss and cost

$L(f_{\vec{w},b}(\vec{x}), y)$, $J(\vec{w}, b) = \frac{1}{m} \sum_{i=1}^{m} L(f_{\vec{w},b}(\vec{x}^{(i)}), y^{(i)})$

↳ logistic loss : $loss = -y * np.log(f\_x) - (1-y) * np.log(1 - f\_x)$

③ Train on data to minimize $J(\vec{w}, b)$

if using gradient descent algorithm...

$w = w - alpha * dj\_dw$

$b = b - alpha * dj\_db$

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pytorch 구현 연습!

"pytorch로 시작하는 딥러닝 입문"