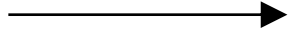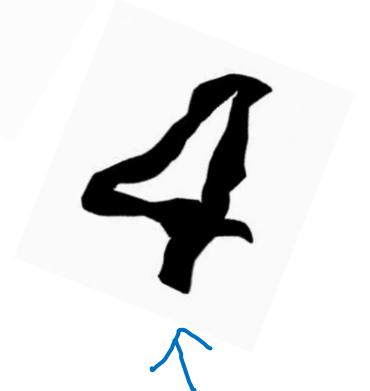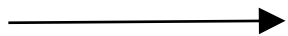deeplearning.ai

Regularizing your neural network

Other regularization methods

Data augmentation

Early stopping

Orthogonalization.

→ — Optimize cost function J
    — Gradient, ...

→ — Not overfit.
    — Regularization, ...

l_2

$J(w,b)$

dev set error

traing error or J

iterations

$w \approx 0$

mid-size $\|w\|_F^2$

large W