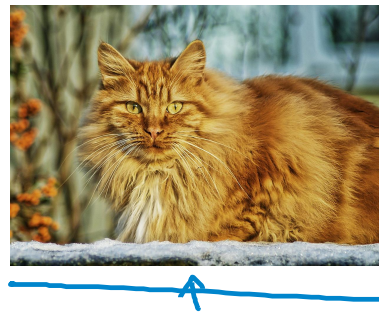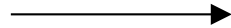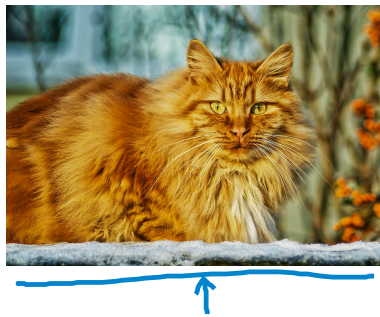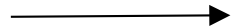deeplearning.ai

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

Andrew Ng