Introduction to ML strategy

Orthogonalization

deeplearning.ai

TV tuning example

0.1 x

+0.3 x

-1.7 x

Orthogonalization

+0.8x

+ ...
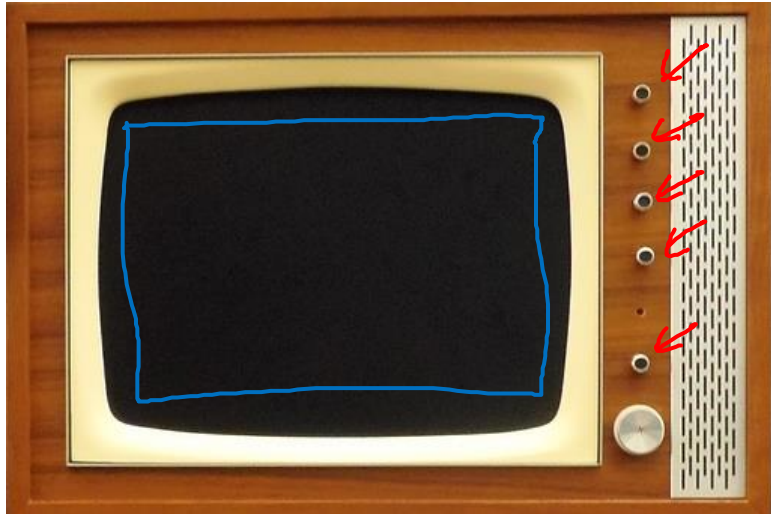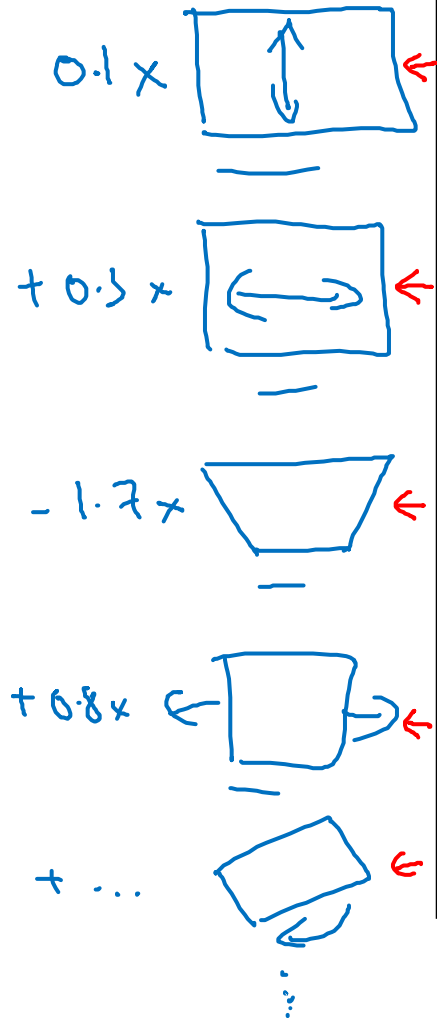
Car

→ Steering]

→ { Accelerator
    Braking]

→ 0.3 × angle   -   0.8 speed

→ 2 × angle   +   0.9 speed.

speed

angle

Andrew Ng
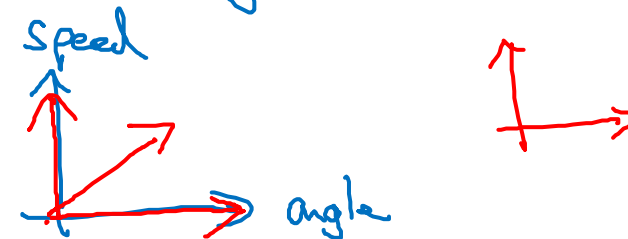
Chain of assumptions in ML

→ Fit training set well on cost function $\quad$ (≈ human-level performance)

bigger network
Adam
- - -

→ Fit dev set well on cost function

early stopping

Regularization
Bigger traing set

→ Fit test set well on cost function

Bigger dev set

→ Performs well in real world
(Happy cat pic app users.)

Change dev set or
cost function