deeplearning.ai

Introduction to
ML strategy

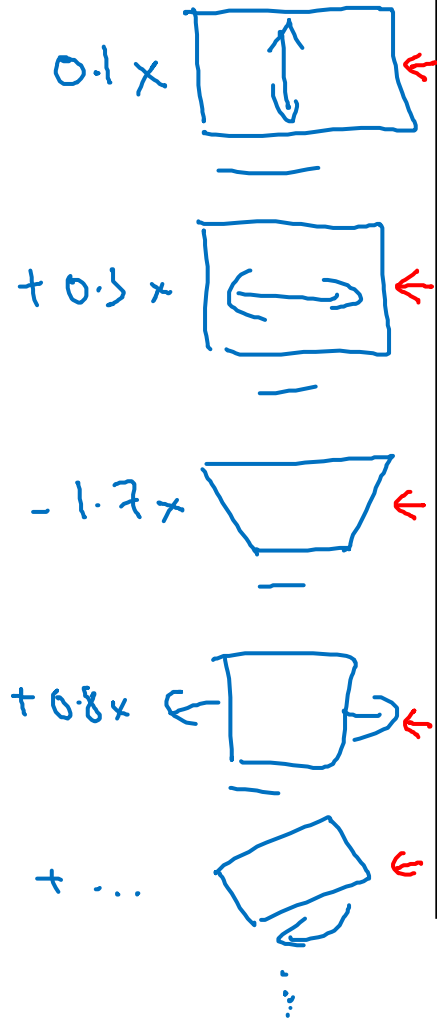Orthogonalization

TV tuning example

0.1 x

+ 0.3 x

− 1.7 x

Orthogonalization

+ 0.8 x

+ ...
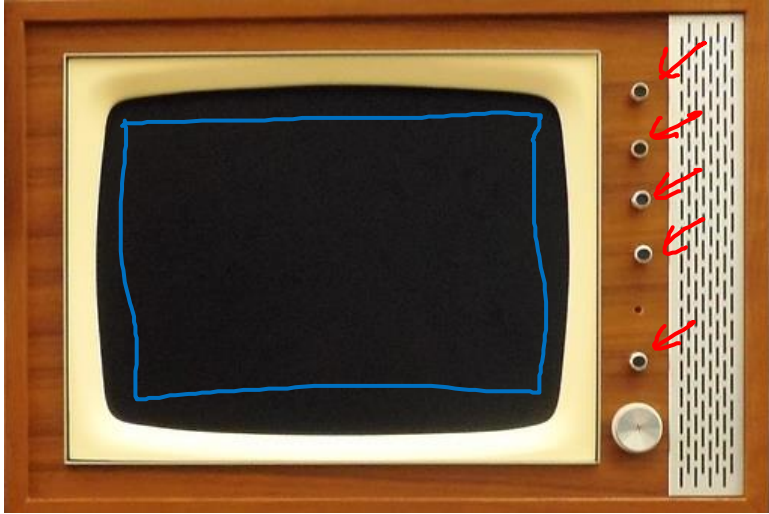
Car

→ Steering]

→ { Accelerator
    Braking }

→ 0.3 x angle − 0.8 speed

→ 2 x angle + 0.9 speed.

speed

angle

Chain of assumptions in ML

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

bigger network
Adam
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early stopping

↓ width

→ Fit dev set well on cost function

Regularization
Bigger traing set

↓ height

→ 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

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