deeplearning.ai

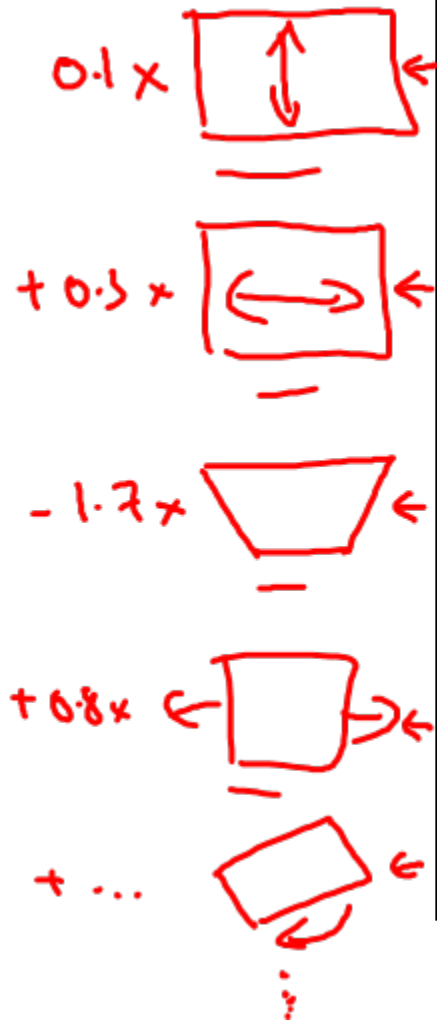# Introduction to ML strategy

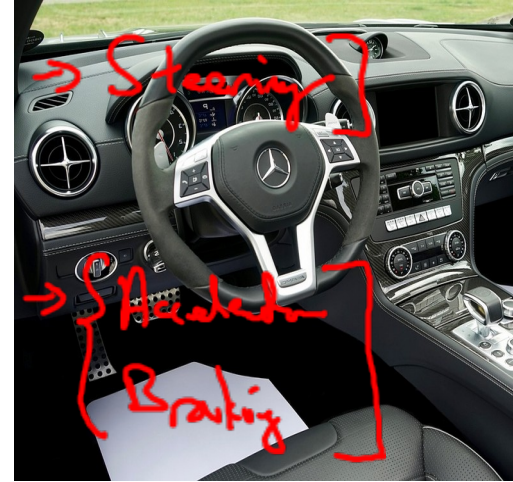## Orthogonalization

TV tuning example

Car

0.1 ×

+ 0.3 ×

− 1.7 ×

Orthogonalization

+ 0.8 ×

+ ...

→ Steering ?

→ Acceleration
Braking
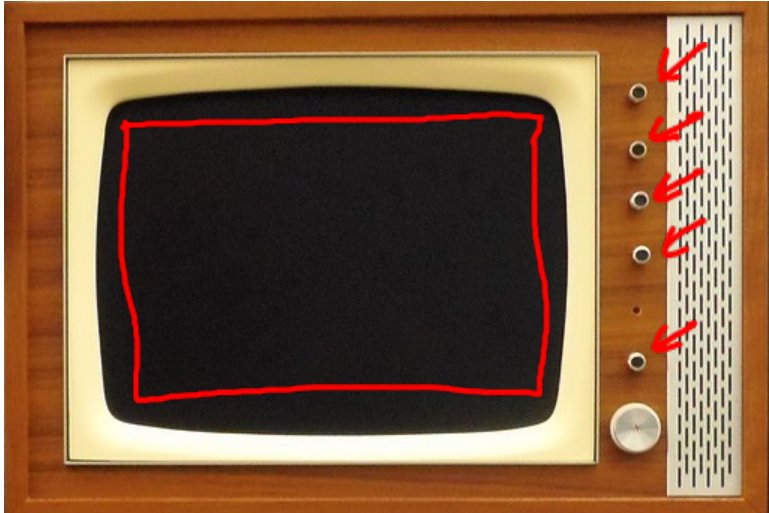
→ 0.3 × angle − 0.8 speed

→ 2 × angle + 0.9 speed.

speed

angle

Chain of assumptions in ML

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

→ Fit dev set well on cost function

→ Fit test set well on cost function

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

bigger network
Adam
...

early stopping

Regularization
Bigger trng set

Bigger dev set

Change dev set or
cost function