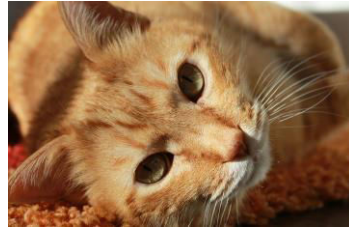deeplearning.ai

Introduction to ML strategy

Why ML Strategy?

Motivating example

Say you achieve 90% Accuracy, not good enough

Which ideas to implement, which one to discard.

Ideas:

- Collect more data

- Collect more diverse training set → *more colors – More cat poses*

- Train algorithm longer with gradient descent

- Try Adam instead of gradient descent

- Try bigger network

- Try smaller network

- Try dropout

- Add L_2 regularization

- Network architecture

  - Activation functions

  - # hidden units

  - ...

Andrew Ng