



deeplearning.ai

Setting up your
ML application

Train/dev/test
sets

Applied ML is a highly iterative process

layers

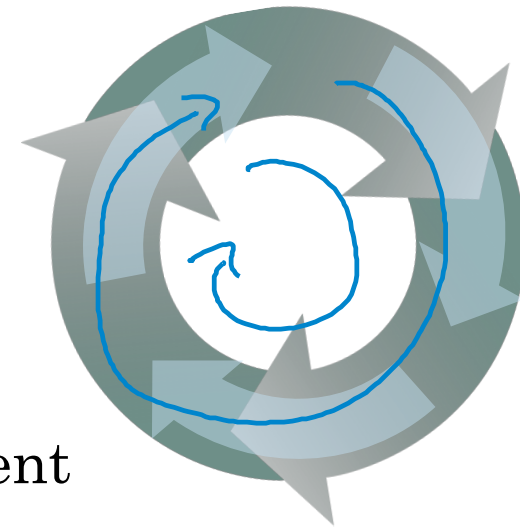
hidden units

learning rates

activation functions

• • •

Idea

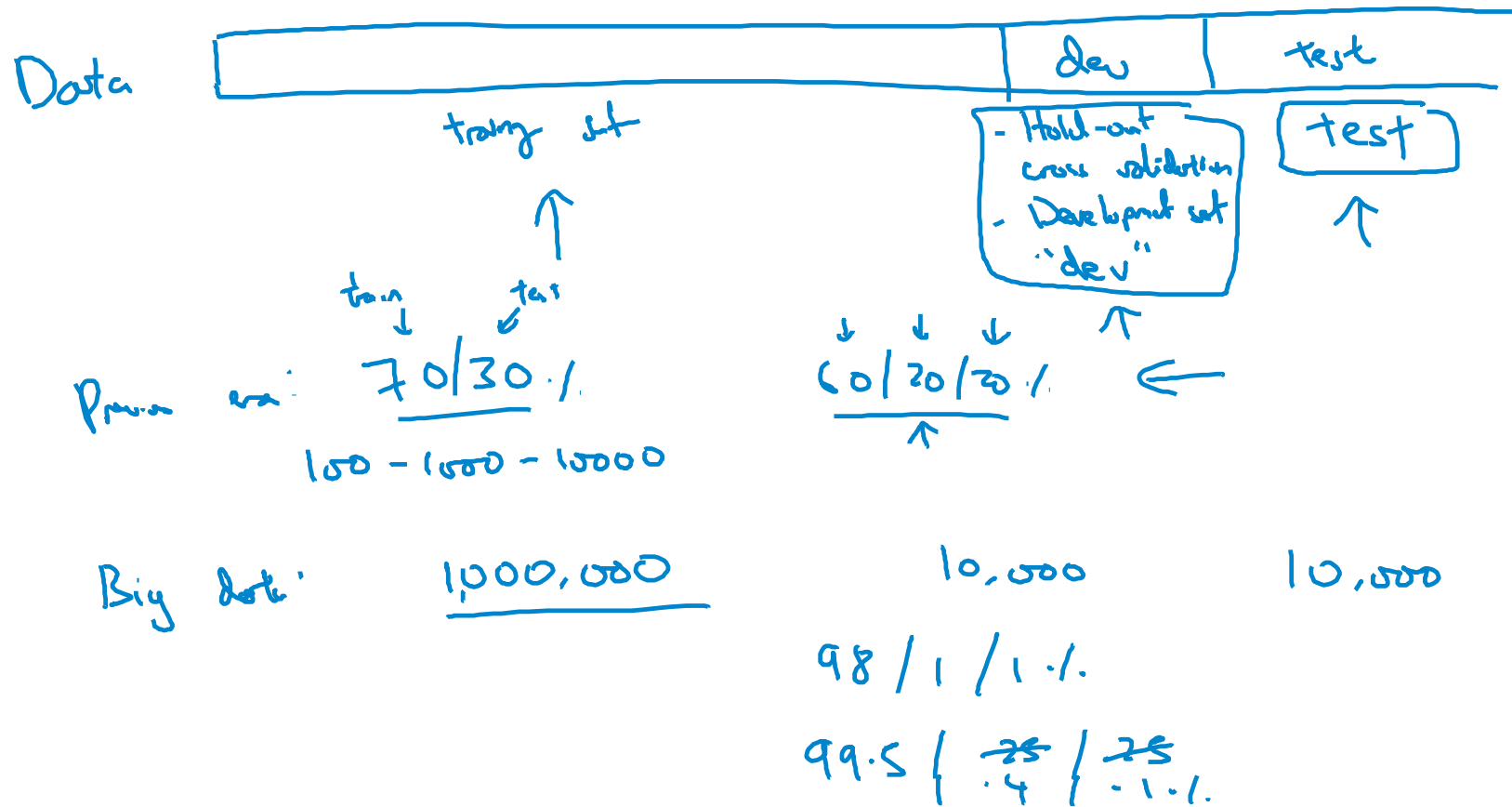


Experiment

Code

[illegible]

Train/dev/test sets



Mismatched train/test distribution

Certs

↙
Training set:

Cat pictures from
webpages }



↙ ↘
Dev/test sets:

Cat pictures from
users using your app }

→ Make sure dev and test come from same distribution.

↓ ↓
train / test
↑ ↓
train / dev

train / test
↓ ↖
→ train / dev

Not having a test set might be okay. (Only dev set.)