



deeplearning.ai

# Setting up your ML application

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## Train/dev/test sets

# Applied ML is a highly iterative process

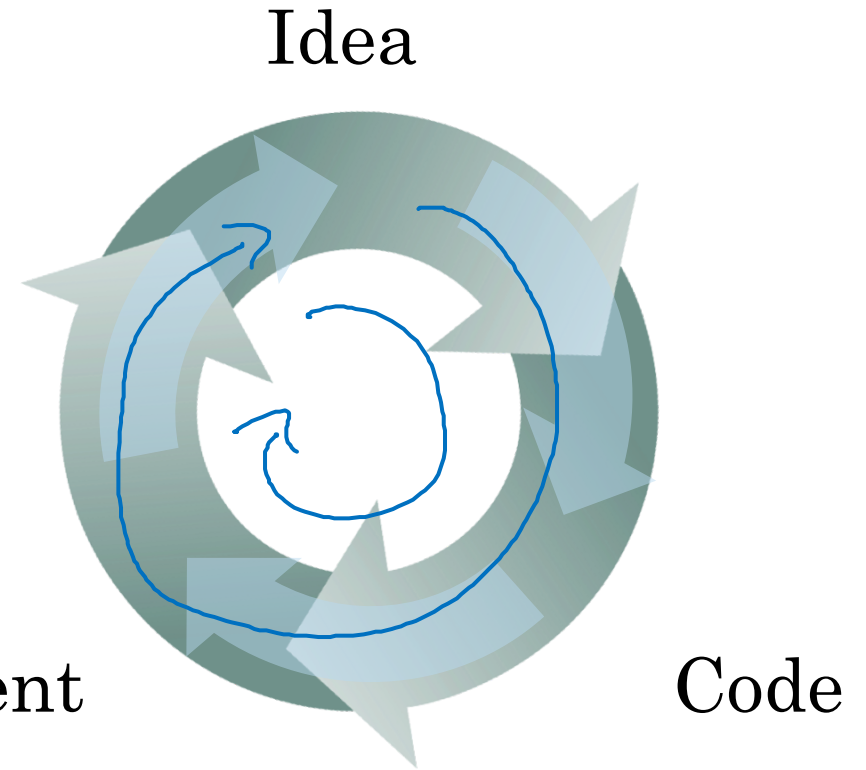
# layers

## # hidden units

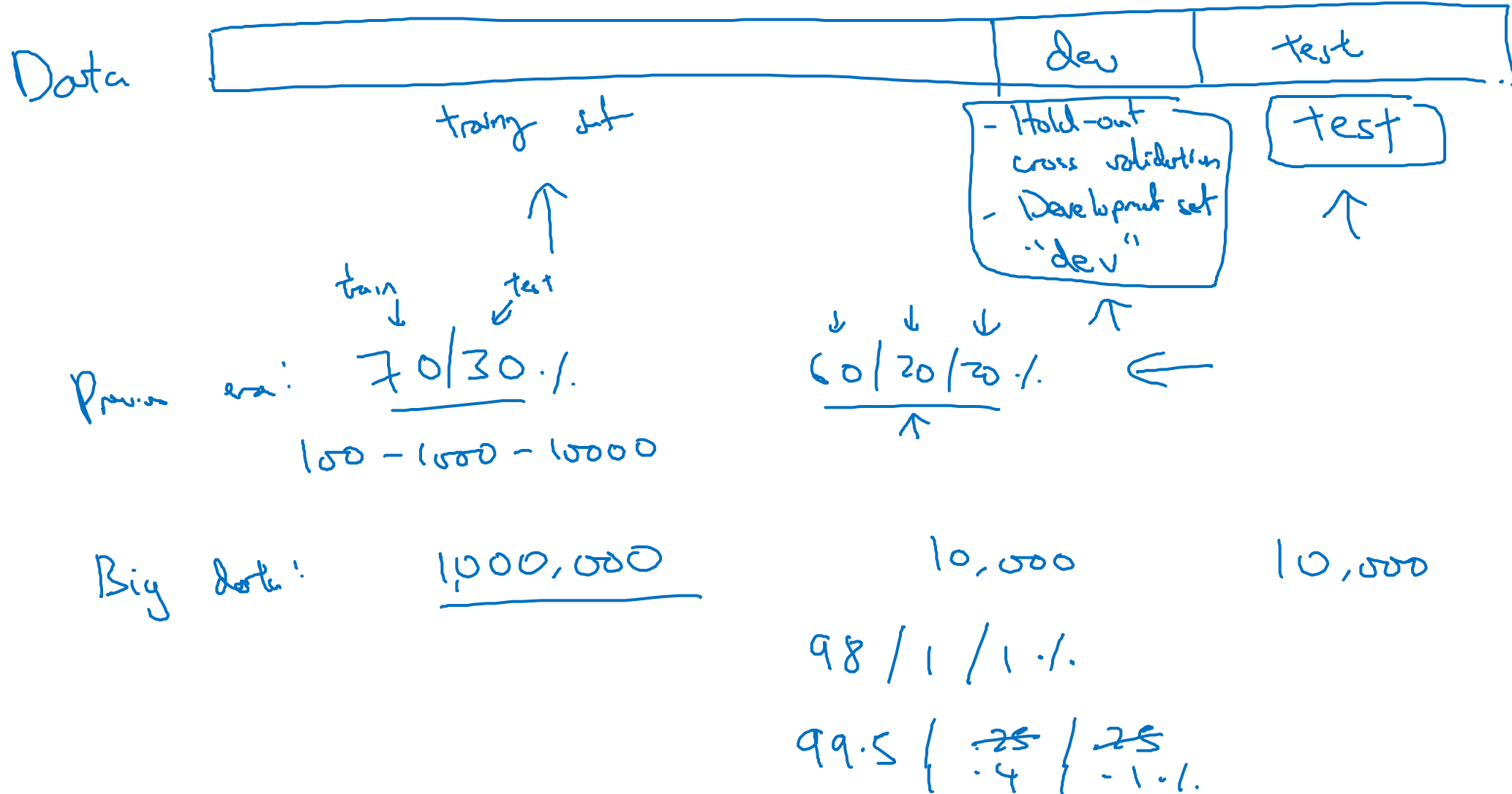
# learning rates

## activation functions

• • •

[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 / dev      "test"

train / test  
↓      ↖  
→ train / dev

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