



deeplearning.ai

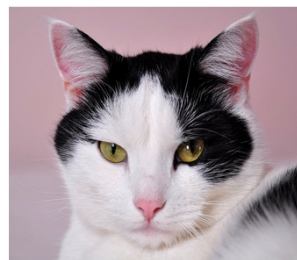
Mismatched training  
and dev/test data

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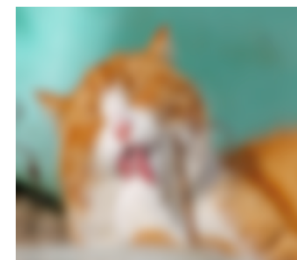
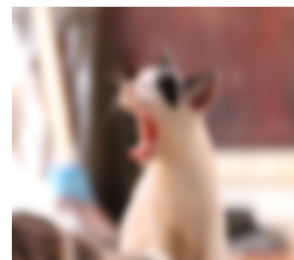
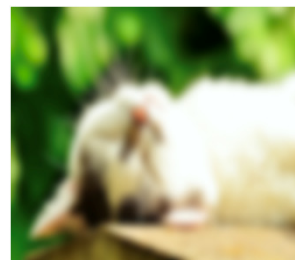
Training and testing  
on different  
distributions

# Cat app example

Data from webpages



care about this  
Data from mobile app



→ ≈ 200,000

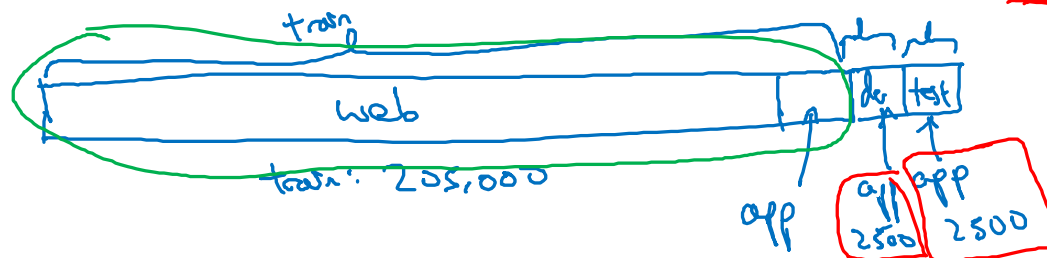
210,000  
↓ shuffle

→ ≈ 10,000

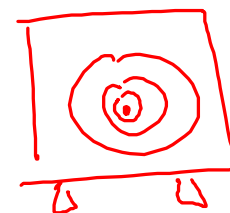
~~Option 1:~~



Option 2:



$\frac{200K}{210K}$



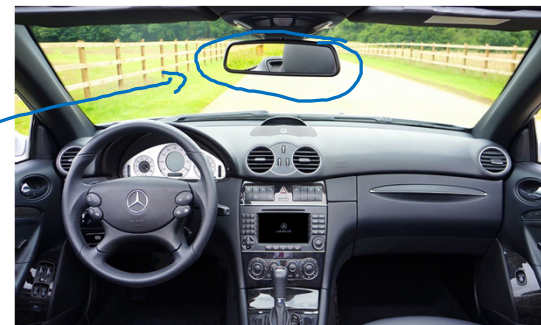
2381 - web  
119 - mobile app



Andrew Ng

# Speech recognition example

Speech activated rearview mirror



## Training

Purchased data

$\downarrow \downarrow$   
 $x, y$

Smart speaker control

Voice keyboard

...

500,000 utterances

## Dev/test

Speech activated  
rearview mirror

