



deeplearning.ai

Mismatched training  
and dev/test data

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Training and testing  
on different  
distributions

# Cat app example

Data from webpages

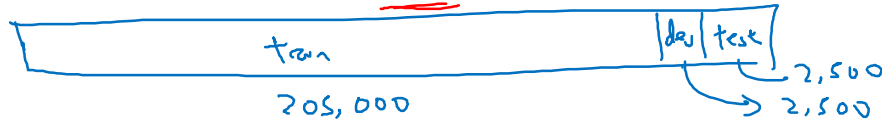


→ ≈ 200,000

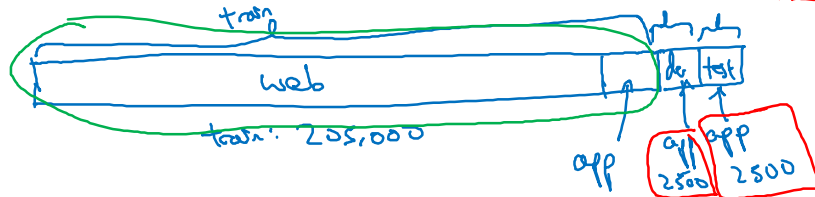
→ 210,000  
↓ shuffle

→ ≈ 10,000

~~Option 1:~~



Option 2:



Care about this

Data from mobile app



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



2381 - web  
119 - mobile app



# 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

