



deeplearning.ai

Mismatched training
and dev/test data

Training and testing
on different
distributions

Cat app example

Data from webpages



care about this
Data from mobile app



→ ≈ 200,000

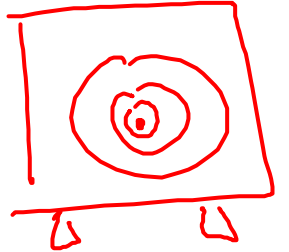
→ 210,000
↓ shuffle

→ ≈ 10,000

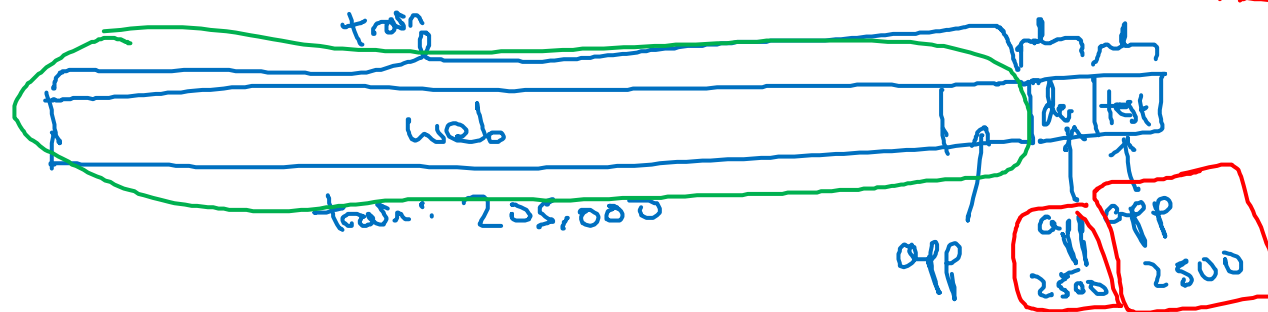
~~Option 1:~~



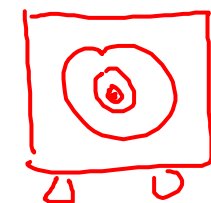
$\frac{200K}{210K}$



Option 2:



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

