Setting up
your goal

Train/dev/test
distributions

deeplearning.ai

Cat classification dev/test sets

— development set, hold out, cross validation set

Regions:

- US
- UK
- Other Europe
- South America

Dev →
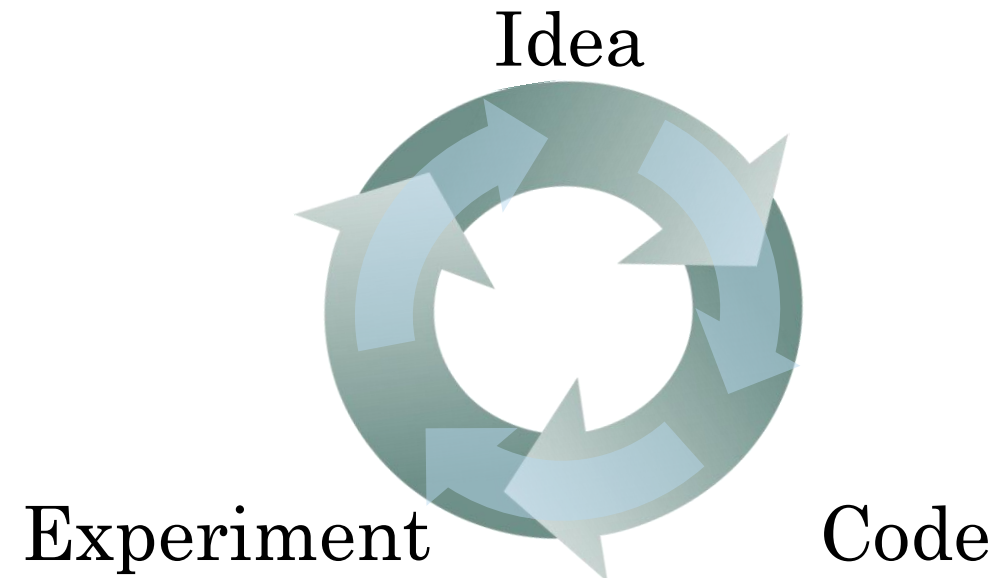
- India
- China
- Other Asia
- Australia

Test →

Randomly shuffle into dev/test

dev set + Metric

Idea

Experiment   Code

Andrew Ng

True story (details changed)

Optimizing on <u>dev set</u> on loan approvals for <u>medium income</u> zip codes

$x \longrightarrow y$ (repay loan?)

Tested on <u>low income</u> zip codes

~ 3 month

Target moved due to inconsistent distribution between dev/ test set

Dev set and test set should have the same distribution, otherwise the target will be moved.
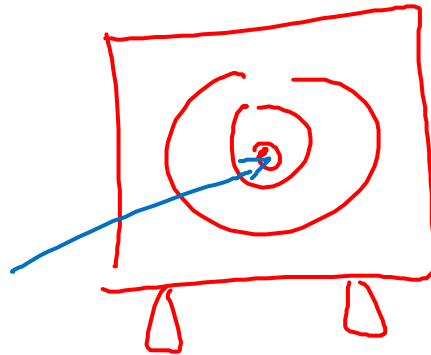
Andrew Ng
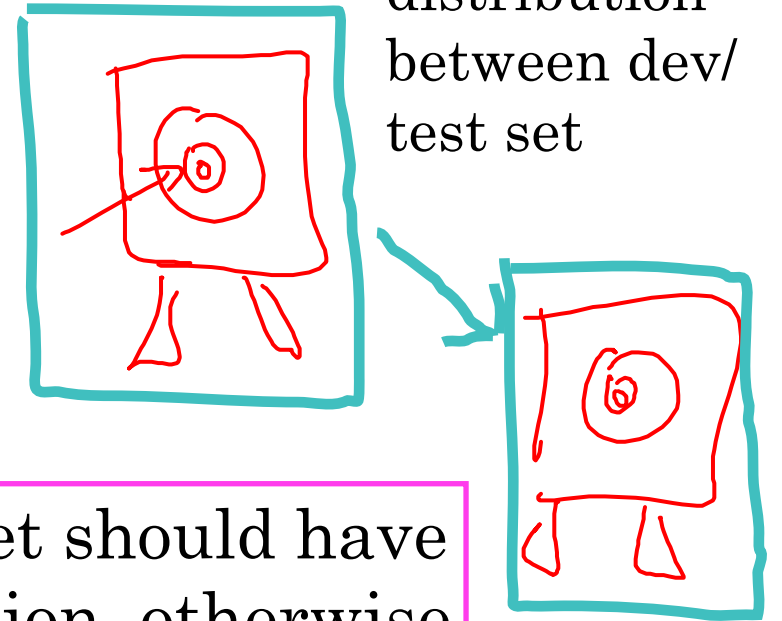
Guideline

Same distribution

Choose a dev set and test set to reflect data you expect to get in the future and consider important to do well on.

training

dev
metric

test

If the real user use blurry images, then put some blurry images into the dev/test set.