deeplearning.ai

Setting up
your goal

Train/dev/test
distributions

Cat classification dev/test sets

Andrew Ng

↳ validation set
hold out set

Process
① train model on training set

② perform model on dev set → pick model w/ least error
(This part is iterative)

③ Finally test on "test" set

Regions:

- US
- UK
- Other Europe
- South America

} Dev Set

- India
- China
- Other Asia
- Australia

} Test Set

⇒ BAD Idea!
↳ Data is not coming from the same distribution for dev + test

Most Imp step
Get a good Dev set which has same dist of Test set

Idea

Experiment

Code

True story (details changed)

Optimizing on dev set on loan approvals for
medium income zip codes

Given X, will he/she repay the loan?

(Y = True / False)

Tested on low income zip codes

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Guideline

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