



deeplearning.ai

Setting up
your goal

Train/dev/test
distributions

Cat classification dev/test sets

development set, hold out cross validation set

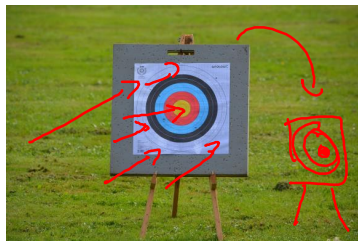
Regions:

- US
- UK
- Other Europe
- South America
- India
- China
- Other Asia
- Australia

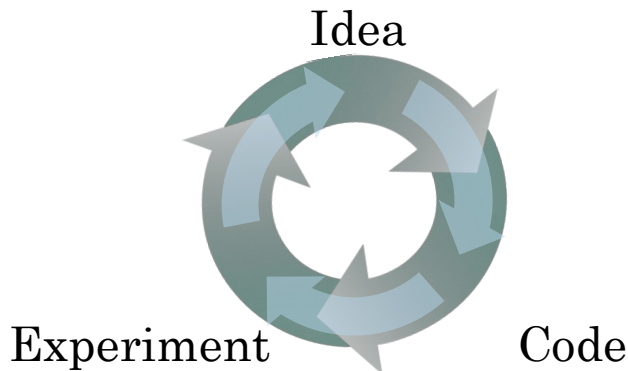
Dev ← bad

Test ← bad

Randomly shuffle into dev/test ✓
same distribution



Dev set
+
metric



True story (details changed)

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

↑

$x \rightarrow y$ (repay loan?)



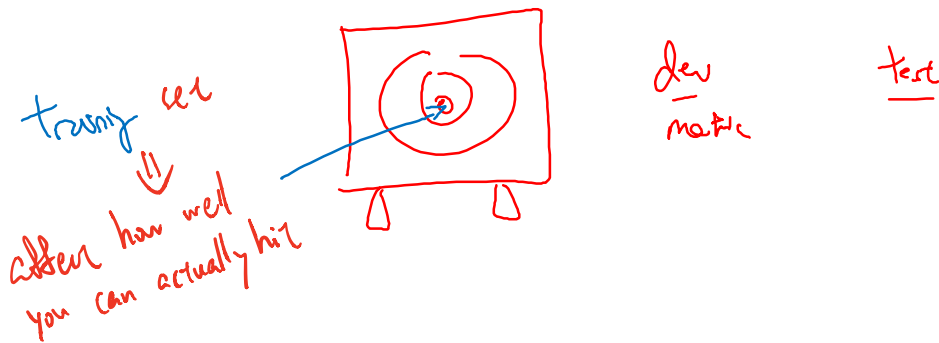
[Tested on low income zip codes

~ 3 month



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.



Training, development and test distributions

Setting up the training, development and test sets have a huge impact on productivity. It is important to choose the development and test sets from the same distribution and it must be taken randomly from all the data.

Guideline

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