



deeplearning.ai

Mismatched training
and dev/test data

Addressing data
mismatch

Addressing data mismatch

- • Carry out manual error analysis to try to understand difference between training and dev/test sets

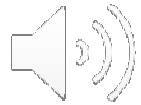
E.g. noisy - car noise

street numbers

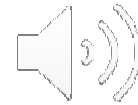
- • Make training data more similar; or collect more data similar to dev/test sets

E.g. Simulate noisy in-car data

Artificial data synthesis



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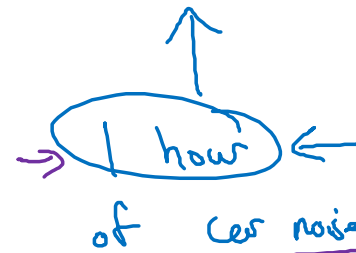
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“The quick brown
fox jumps
over the lazy dog.”

↑
10,000 hours

Car noise



Overfit to 1 hour of
car noise

→ 10,000 hours ←

Synthesized
in-car audio



Andrew Ng

Artificial data synthesis

Car recognition:



~20 cars

