

*If the problem you're  
tackling has significant  
Academic literature, that  
covers the gotchas, then  
go w/ that*



deeplearning.ai

## Error Analysis

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Build your first system  
quickly, then iterate

# Speech recognition example

- Noisy background
  - Café noise
  - Car noise

ways to counter

Many features to go after, which one to prioritize?

- Set up dev/test set and metric
- Build initial system quickly
- Use Bias/Variance analysis & Error analysis to prioritize next steps.

Actionable bias v/s Variance

100 examples (capture trends)

If many Recognition are failing because mic is far away, then work on prioritizing that

Andrew Ng

Guideline:

Build your first system quickly, then iterate

ways to account for

Far from mic

ways to produce correct transcript even if speaker says wh, ah, um...

- Accent
- Far from mic
- Young
- Stutter
- ...