deeplearning.ai

Error Analysis

Carrying out error analysis

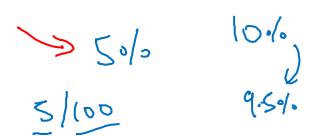# Look at dev examples to evaluate ideas

90% accuracy
→ 10% error

Should you try to make your cat classifier do better on dogs? ←

Error analysis: → 5-10 min
- Get ~100 mislabeled dev set examples.
- Count up how many are dogs.

"ceiling"

→ 5%
5/100   10%
             9.5%

→ 50%
  50/100   10%
                ↓
                5%

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Evaluate multiple ideas in parallel

Ideas for cat detection:

- Fix pictures of dogs being recognized as cats ⬅

- Fix great cats (lions, panthers, etc..) being misrecognized ⬅

- Improve performance on blurry images ⬅

Image	Dog	Great Cats	Blurry	Instagram	Comments
1	✓			✓	Pitbull
2			✓	✓	
3		✓	✓		Rainy day at zoo
⋮	⋮	⋮	⋮		
% of total	8%	43%	61%	12%	

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