



deeplearning.ai

# Error Analysis

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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

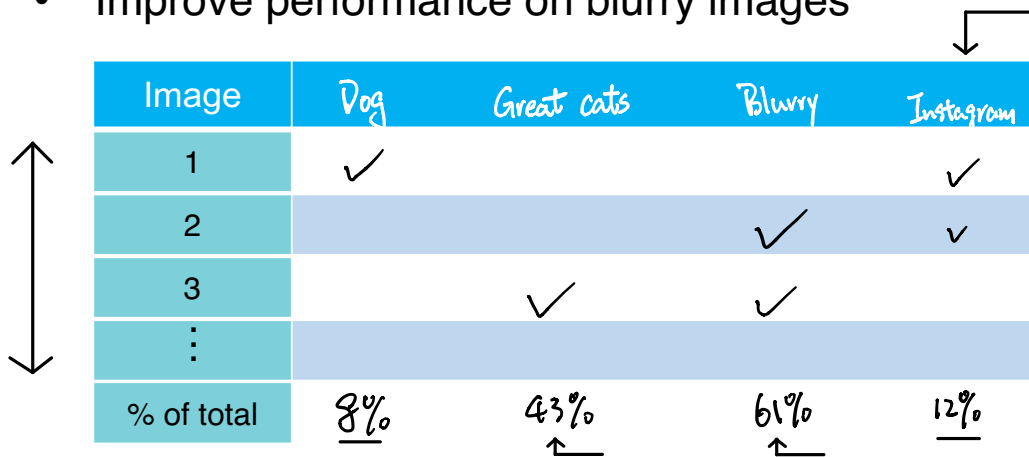


Image	Dog	Great cats	Blurry	Instagram	Comments
1	✓			✓	Pitfall
2			✓	✓	
3		✓	✓		Rainy day at zoo
⋮					
% of total	<u>8%</u>	<u>43%</u>	<u>61%</u>	<u>12%</u>	