



deeplearning.ai

Comparing to human-  
level performance

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Understanding  
human-level  
performance

# Human-level error as a proxy for Bayes error

Medical image classification example:



Suppose:

(a) Typical human ..... 3 % error

→ (b) Typical doctor ..... 1 % error

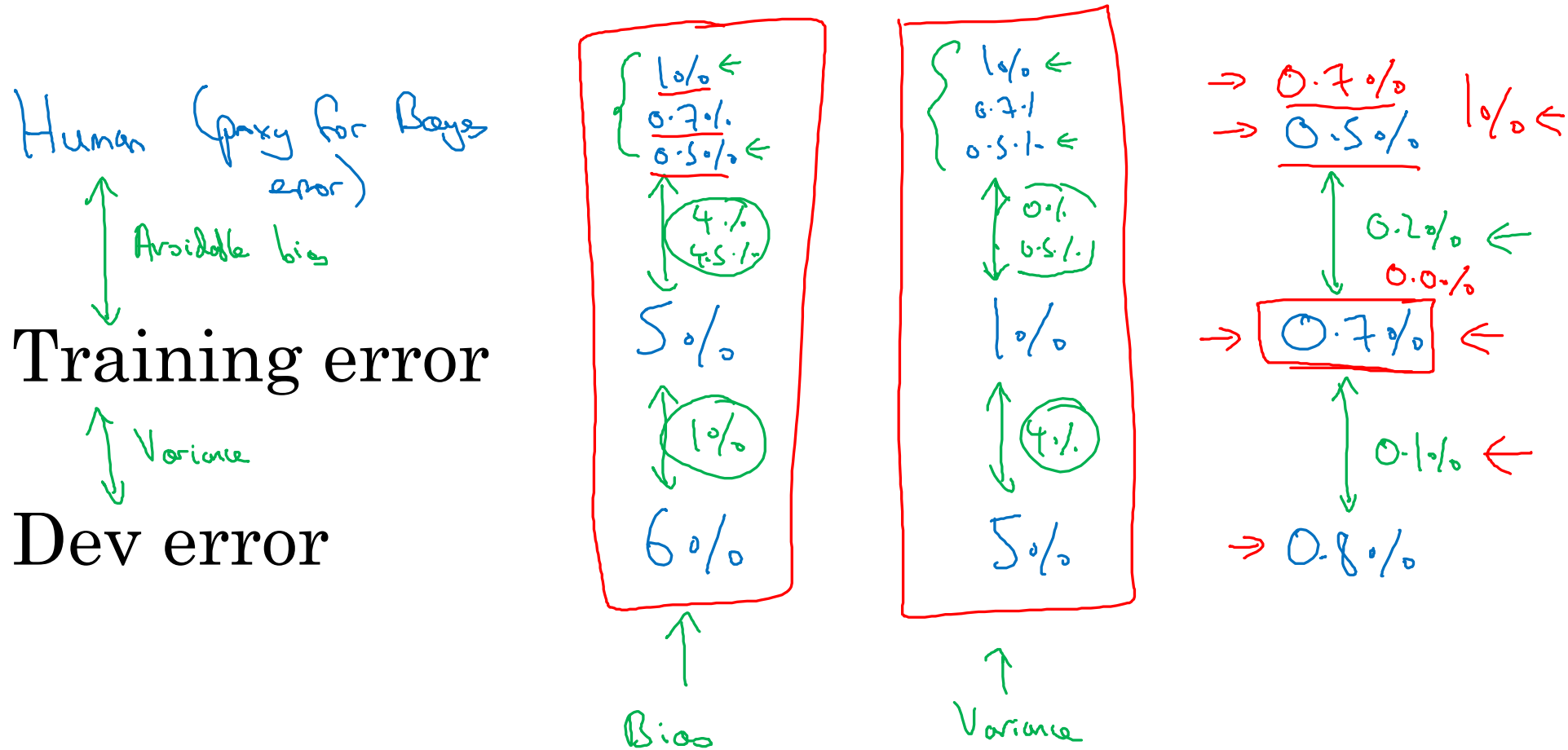
(c) Experienced doctor ..... 0.7 % error

→ (d) Team of experienced doctors .. 0.5 % error ←

Bayes error  $\leq$  0.5 %

What is “human-level” error?

# Error analysis example



# Summary of bias/variance with human-level performance

