

Comparing to human-level performance

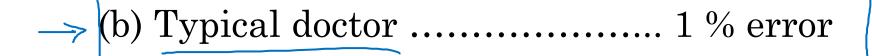
Understanding human-level performance

Human-level error as a proxy for Bayes error

Medical image classification example:

Suppose:





(c) Experienced doctor 0.7 % error

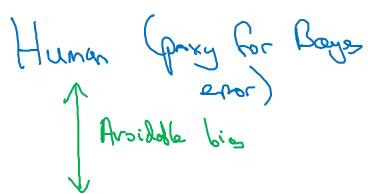
(d) Team of experienced doctors .. 0.5 % error (

What is "human-level" error?



Baye error 5 0.50/3

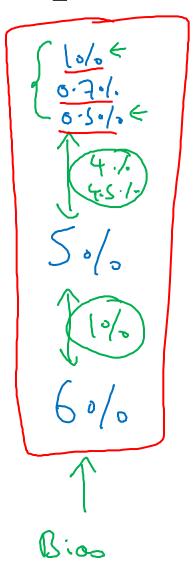
Error analysis example

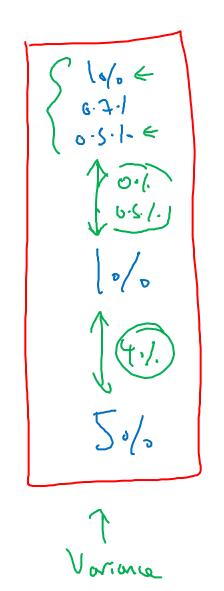


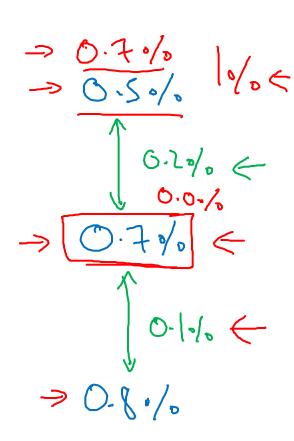
Training error



Dev error







Summary of bias/variance with human-level performance

Human-level error

Training error

Dev error

