

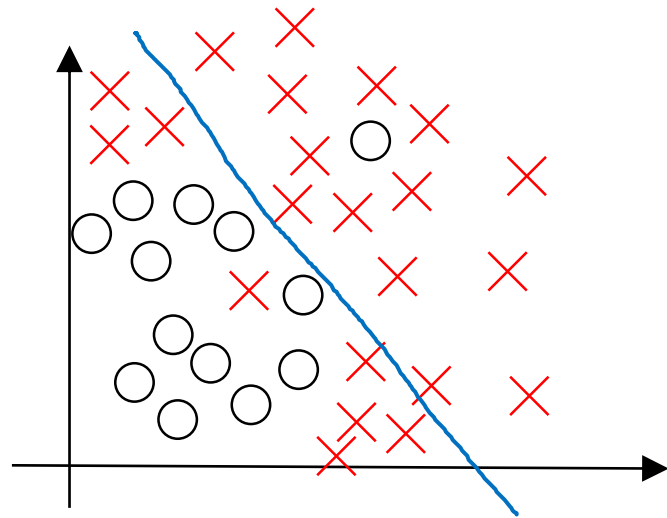


deeplearning.ai

Comparing to human-
level performance

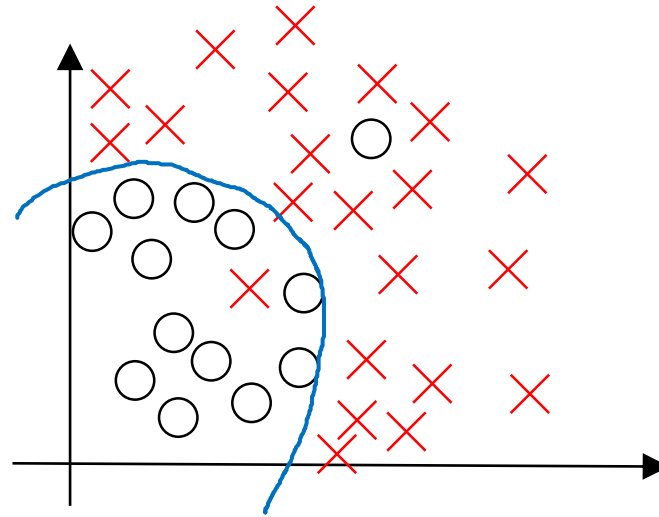
Avoidable bias

Bias and Variance

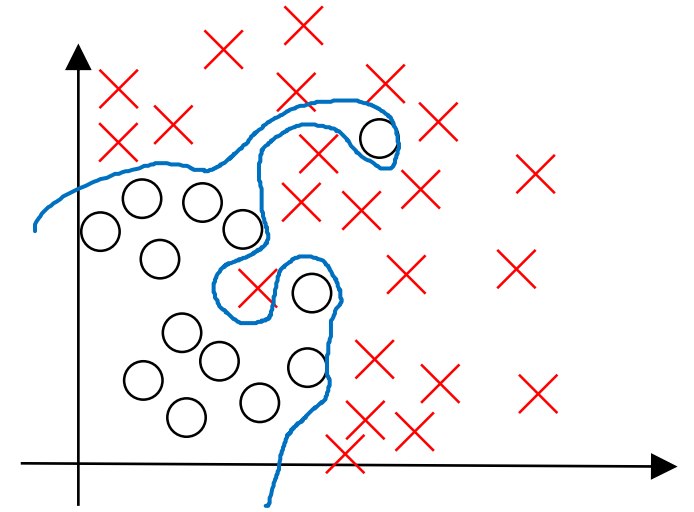


high bias

underfitting



“just right”



high variance

overfitting

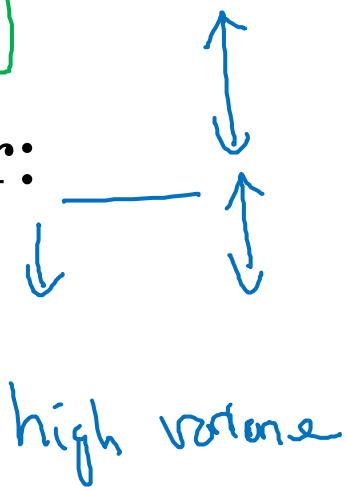
Bias and Variance

Cat classification

Human-level $\approx 0\%$ ----

Training set error:

Dev set error:

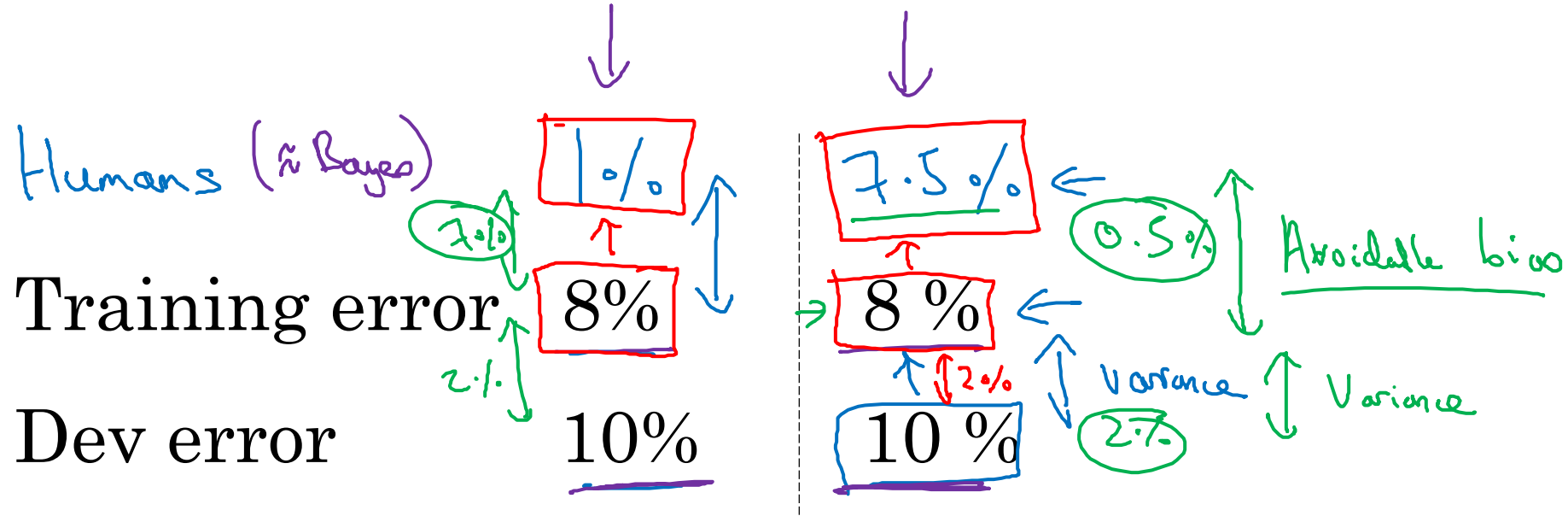


high bias

high bias
high variance

low bias
low variance

Cat classification example



Focus on
bias

Focus on
variance

Human-level error as a proxy for Bayes error.