

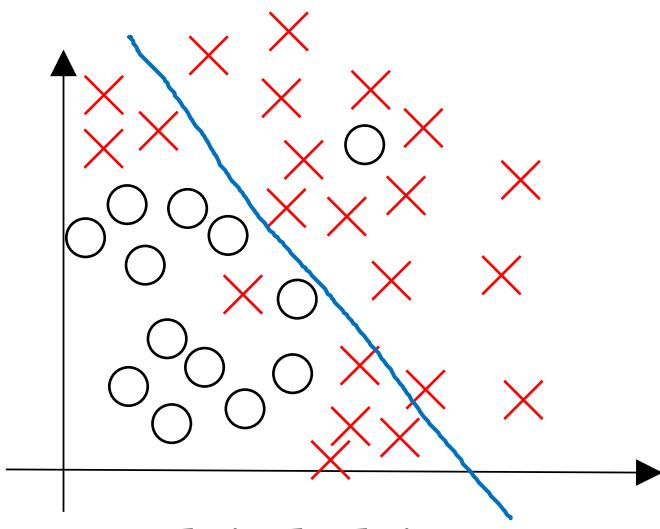


deeplearning.ai

Comparing to human-level performance

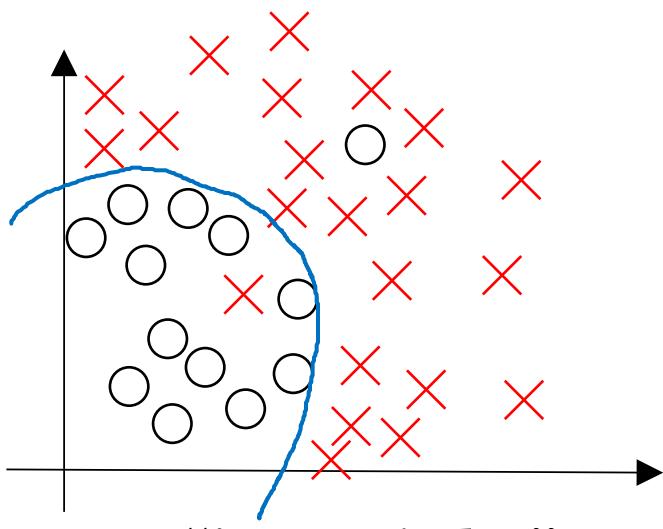
Avoidable bias

Bias and Variance

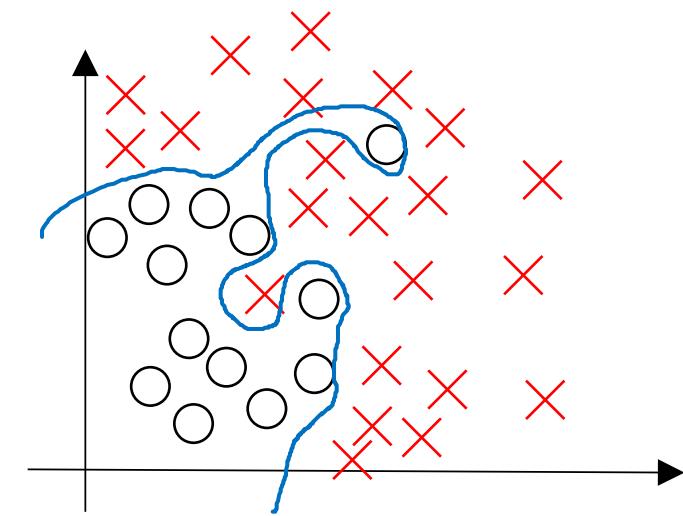


high bias

Underfitting



"just right"



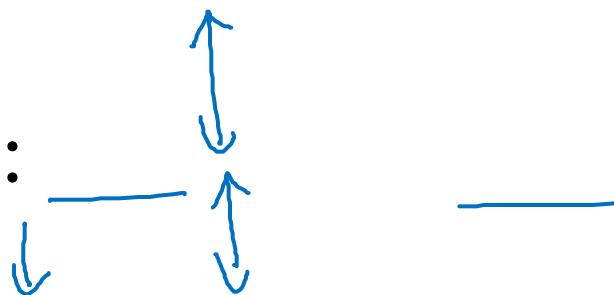
high variance

Overfitting

Bias and Variance

Cat classification

Human-level $\approx 0\%$



Training set error:

Dev set error:

high variance

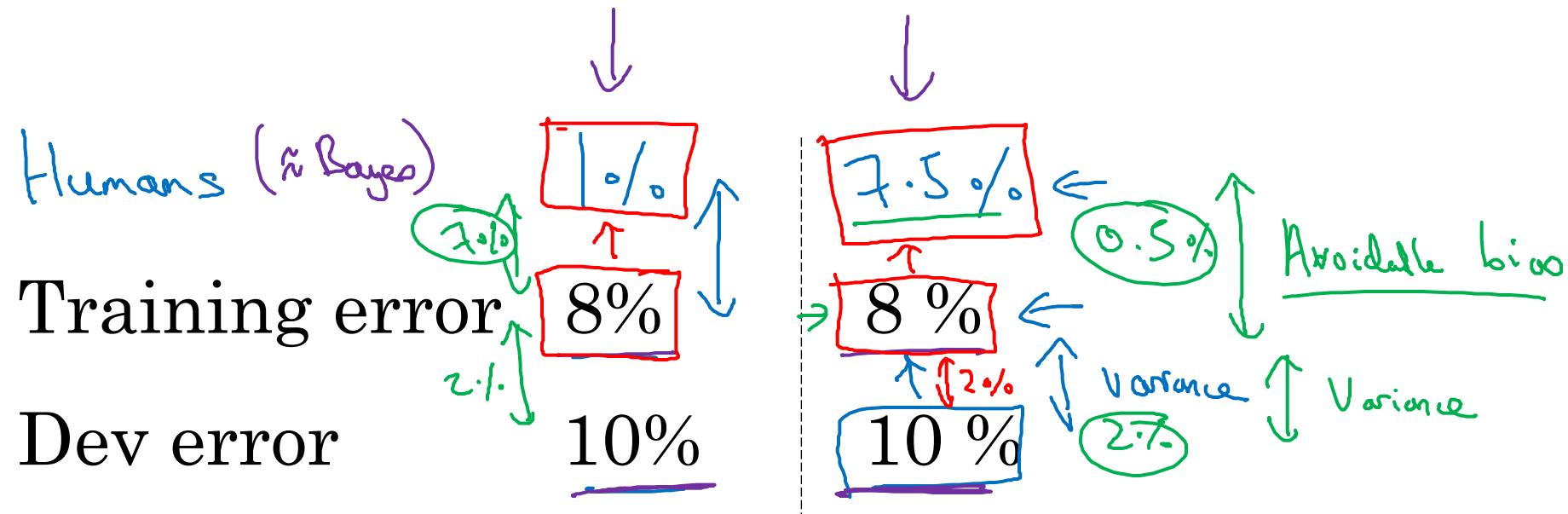
high bias

high bias
high variance

low bias
low variance



Cat classification example



Focus on

bias

Human-level error as a proxy for Bayes error.

Focus on

Variance