

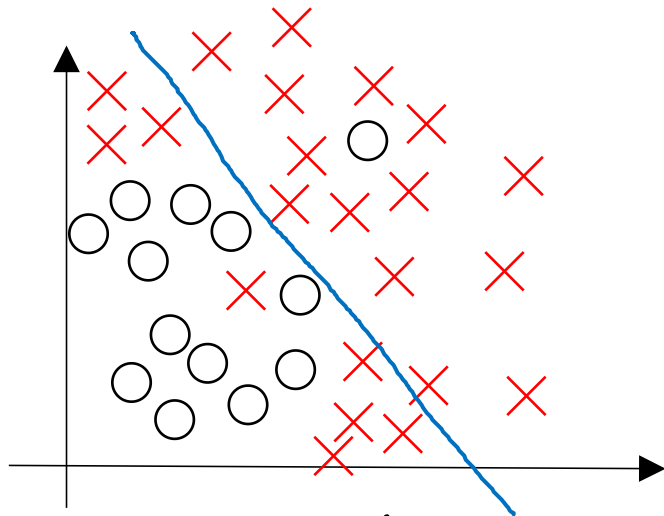


deeplearning.ai

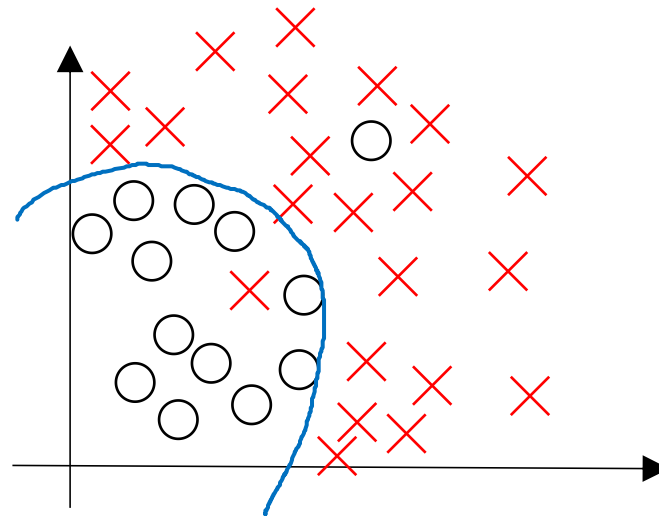
Comparing to human-
level performance

Avoidable bias

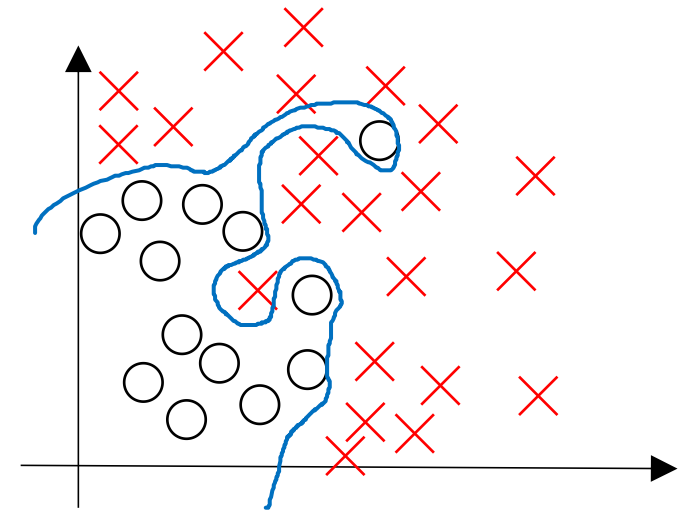
Bias and Variance



high bias
underfitting



"just right"



high variance
overfitting.

Bias and Variance

Cat classification



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

Training set error

Dev set error:

7%

1%

5%

6%

5%

0%

5%

0%

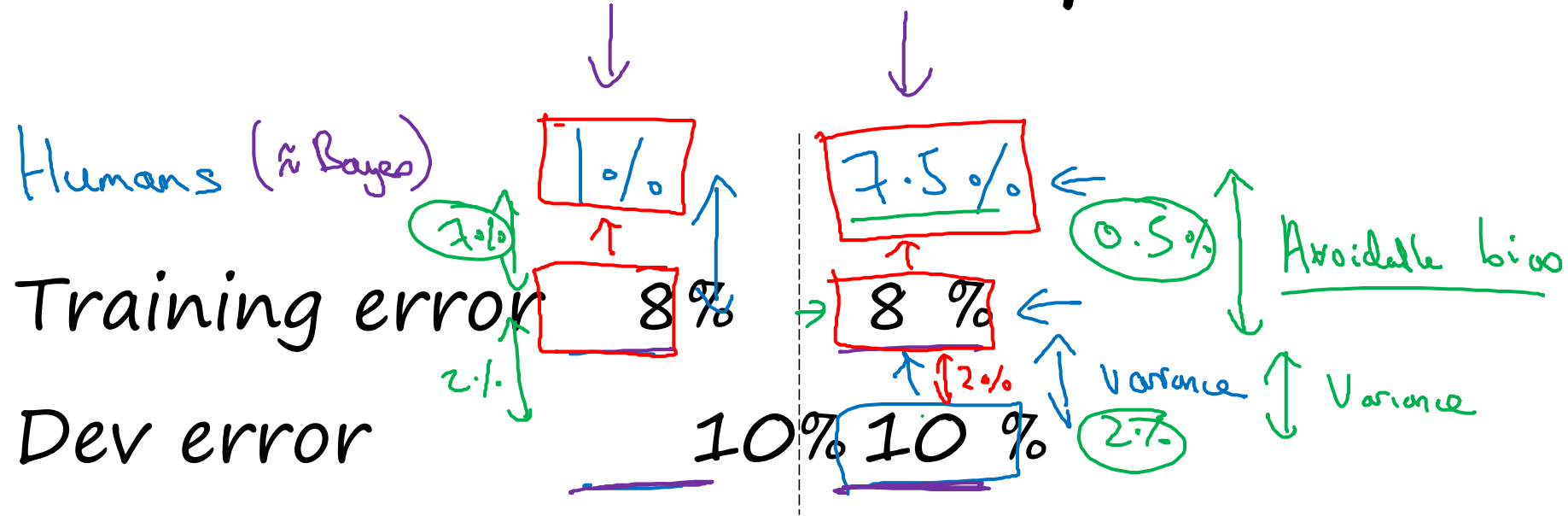
high variance

high bias

high bias
high variance

low bias
low variance

Cat classification example



Human-level error as a proxy for Bayes error.