



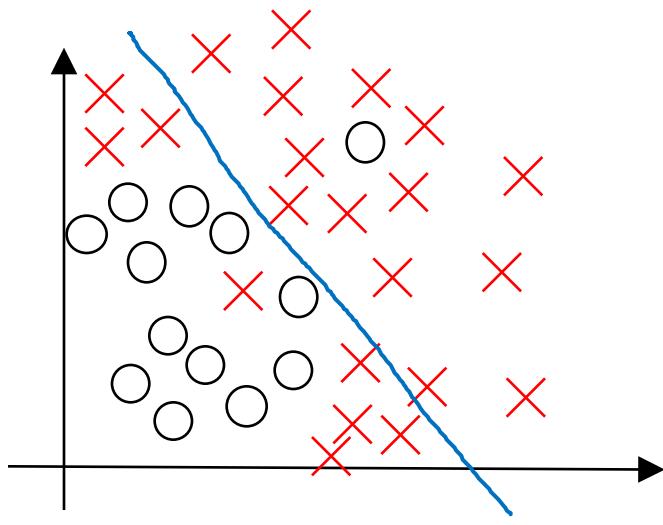
deeplearning.ai

Comparing to human-level performance

---

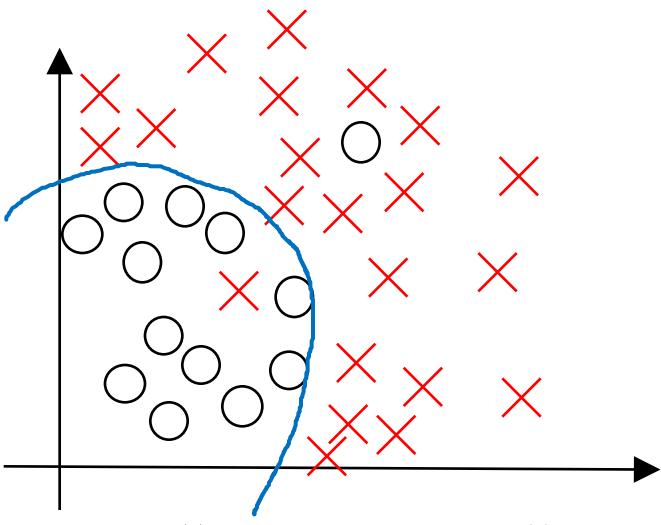
Avoidable bias

# Bias and Variance

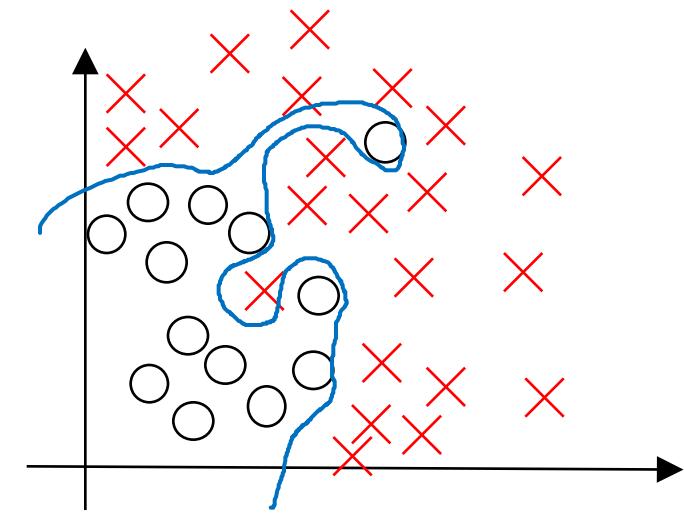


high bias

*Underfitting*



“just right”



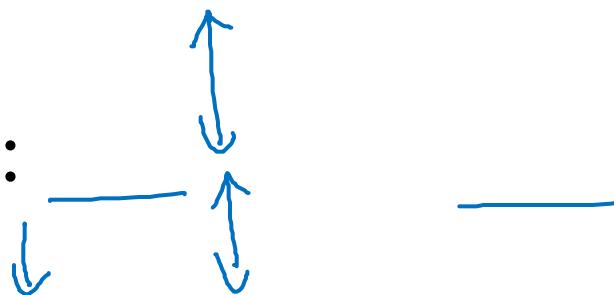
high variance

*Overfitting*

# Bias and Variance

Cat classification

Human-level  $\approx 0\%$



high variance

high bias

high bias  
high variance

low bias  
low variance

# Cat classification example

