

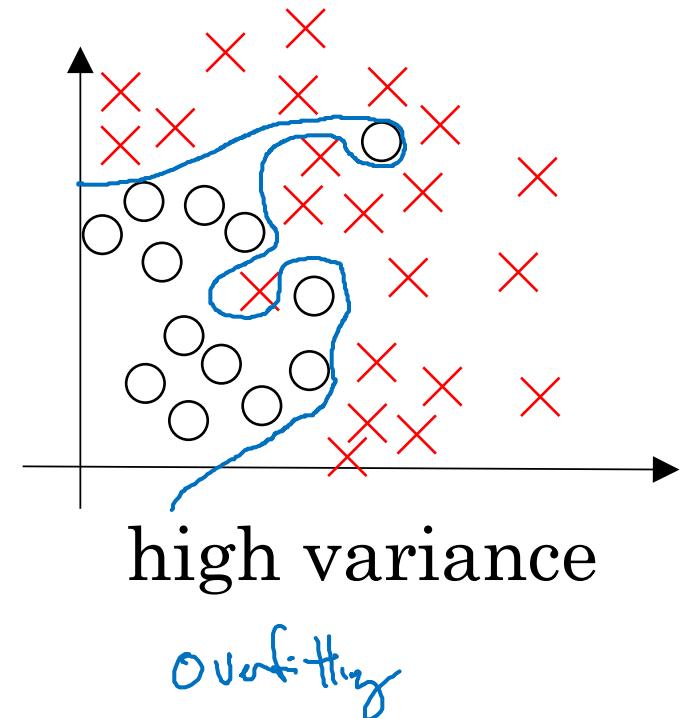
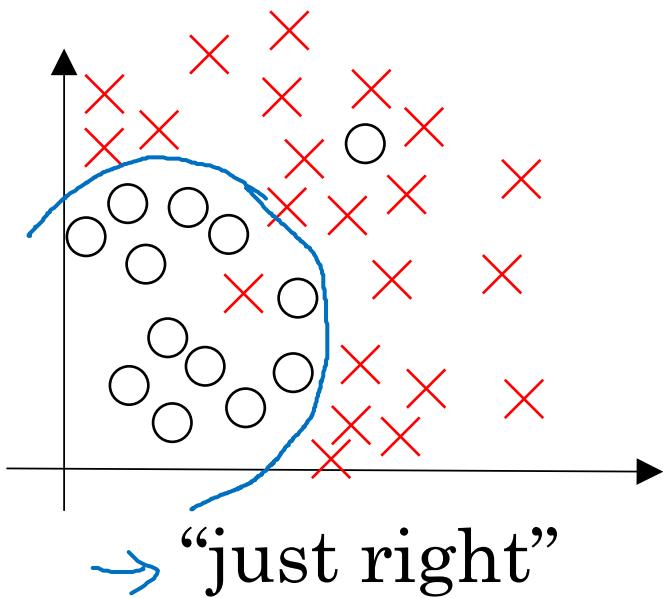
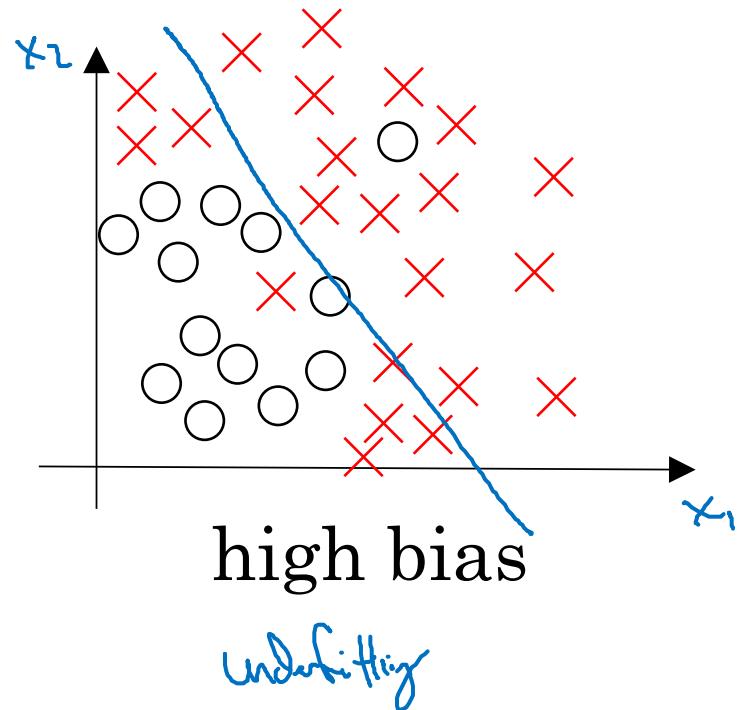


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Setting up your
ML application

Bias/Variance

Bias and Variance



Bias and Variance

Cat classification

Train set error:

1%

$y=1$



Dev set error:

11%

15% ↗

$y=0$



Human: ~20%

high variance
↑

high bias
↑
↑

0.5%.

1%

15%.

30%.

high bias
& high varan

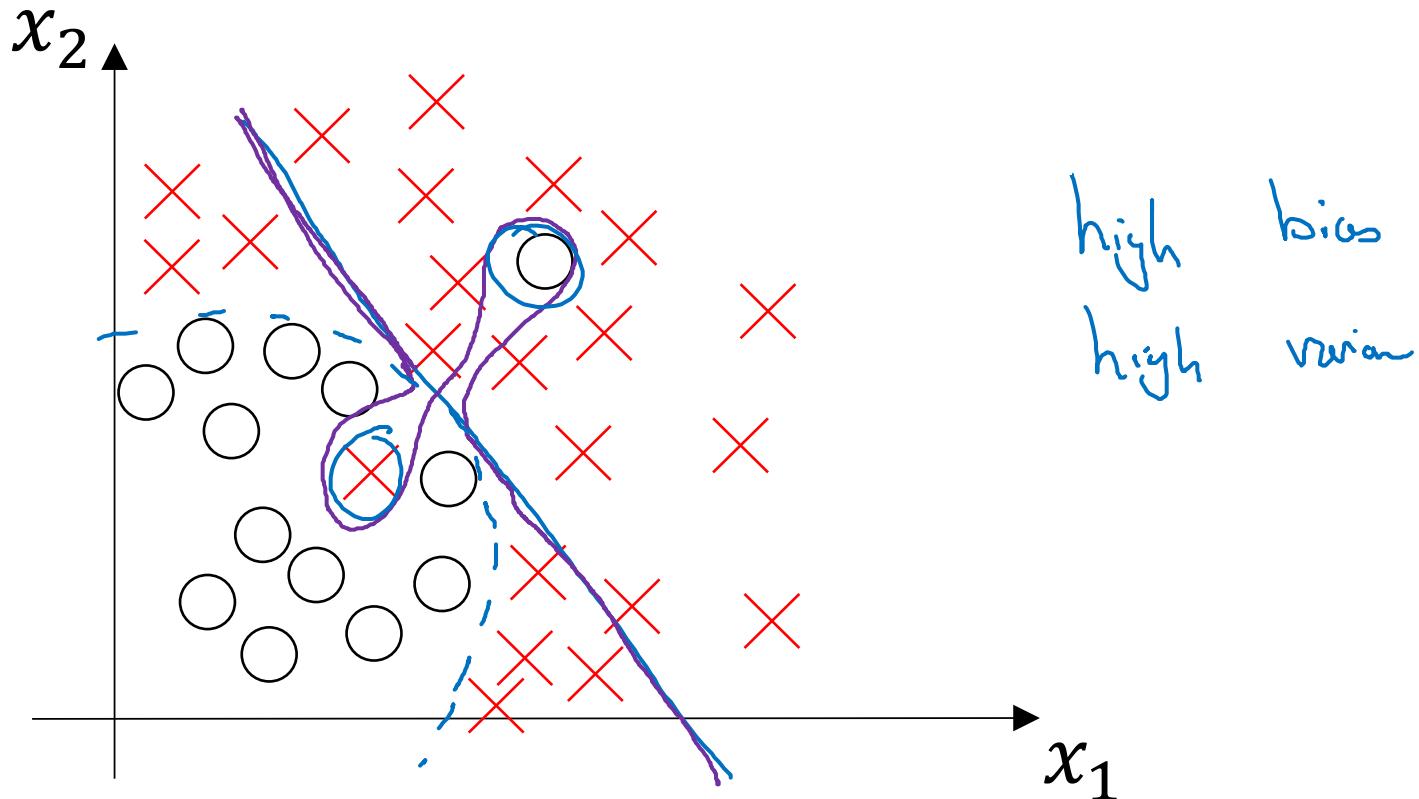
low bias

low variance
↑

Optimal (Bayes) error: ~20% to 15%

Blurry images

High bias and high variance





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Setting up your ML application

Basic “recipe” for machine learning

Basic “recipe” for machine learning

Basic recipe for machine learning

