Setting up your ML application

Bias/Variance

deeplearning.ai

Bias and Variance

high bias

Underfitting

"just right"

high variance

Overfitting

Andrew Ng

Bias and Variance

y=1   y=0
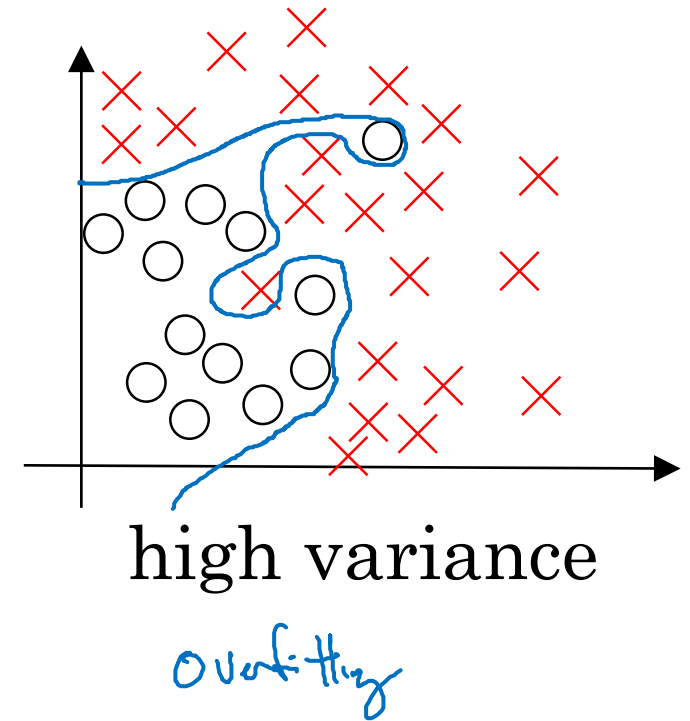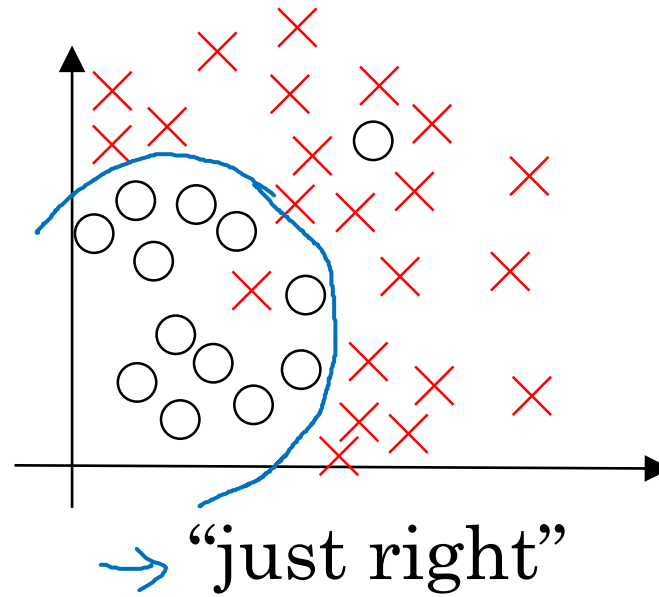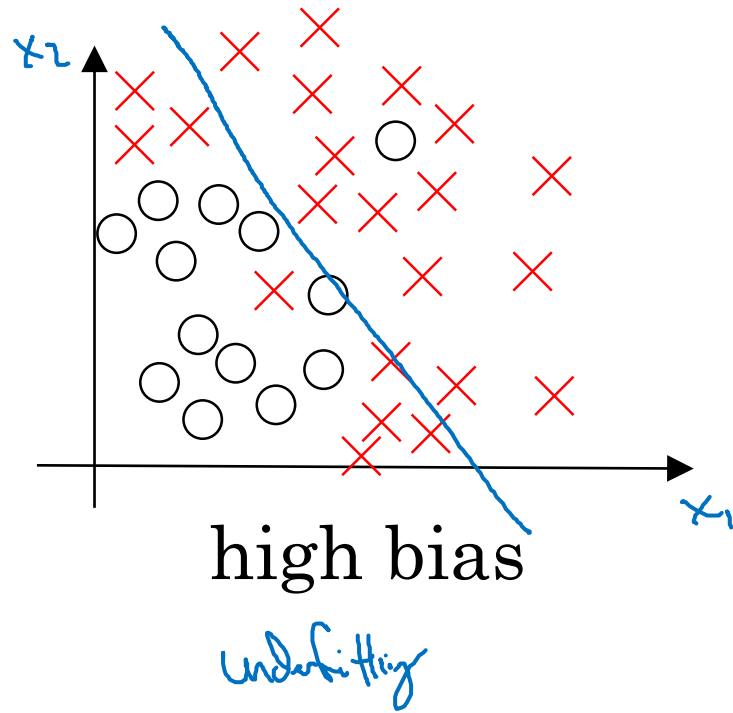
Cat classification

Train set error: 1%   15% ←   15%   0.5%

Dev set error: 11%   16% ←   30%   1%

high variance   high bias   high bias   low bias
                                & high varian   low variance

Human: ≈ 0%

Optiml (Bayes) error: ≈ 0% to 15%   Blury images

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High bias and high variance
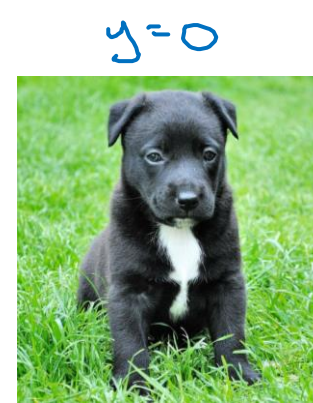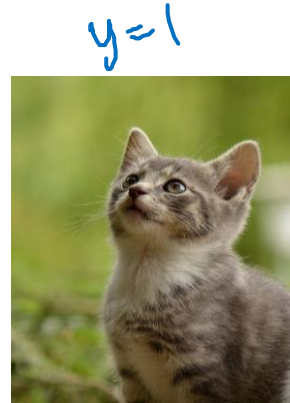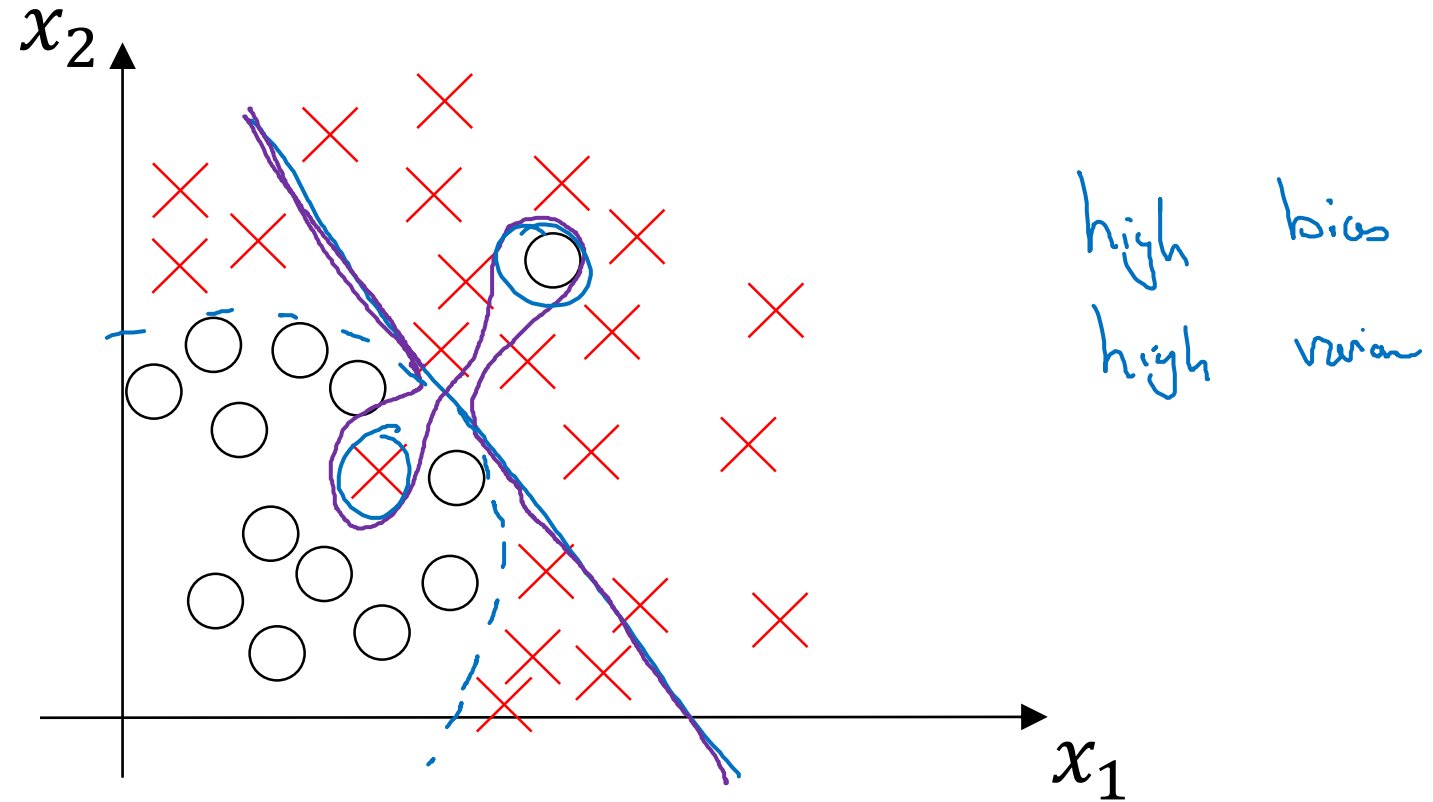

high bias
high varian

deeplearning.ai

Setting up your
ML application
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Basic "recipe"
for machine learning

Basic "recipe" for machine learning

Andrew Ng

Basic recipe for machine learning