Setting up your
ML application

Bias/Variance

deeplearning.ai
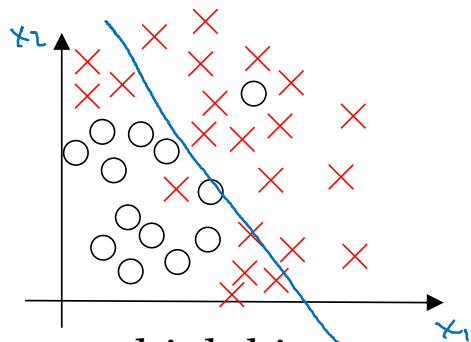
Bias and Variance
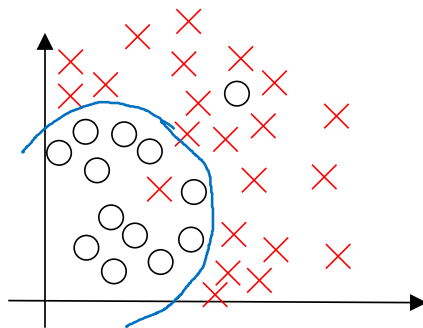

high bias

Underfitting

"just right"
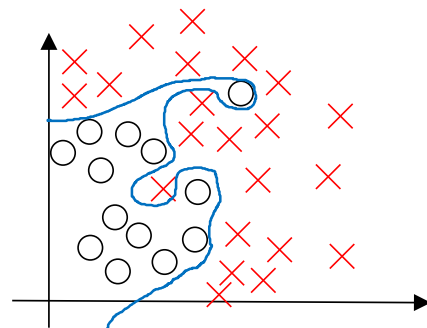
high variance

Overfitting

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Bias and Variance

y=1   y=0

Cat classification
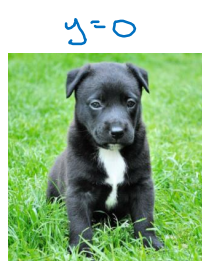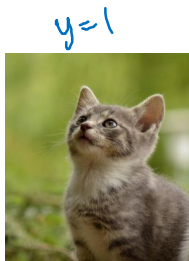
| Train set error: | 1% | 15% ← | 15% | 0.5% |
| Dev set error: | 11% | 16% ← | 30% | 1% |

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

Human: ≈0%

Optml (Bayes) error: ≈0% to 15%

Blury images

最优   贝叶斯

High bias and high variance

high bias
high varian

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