

Bias and Variance

Tags

Bias/Variance Trade off

Bias and Variance

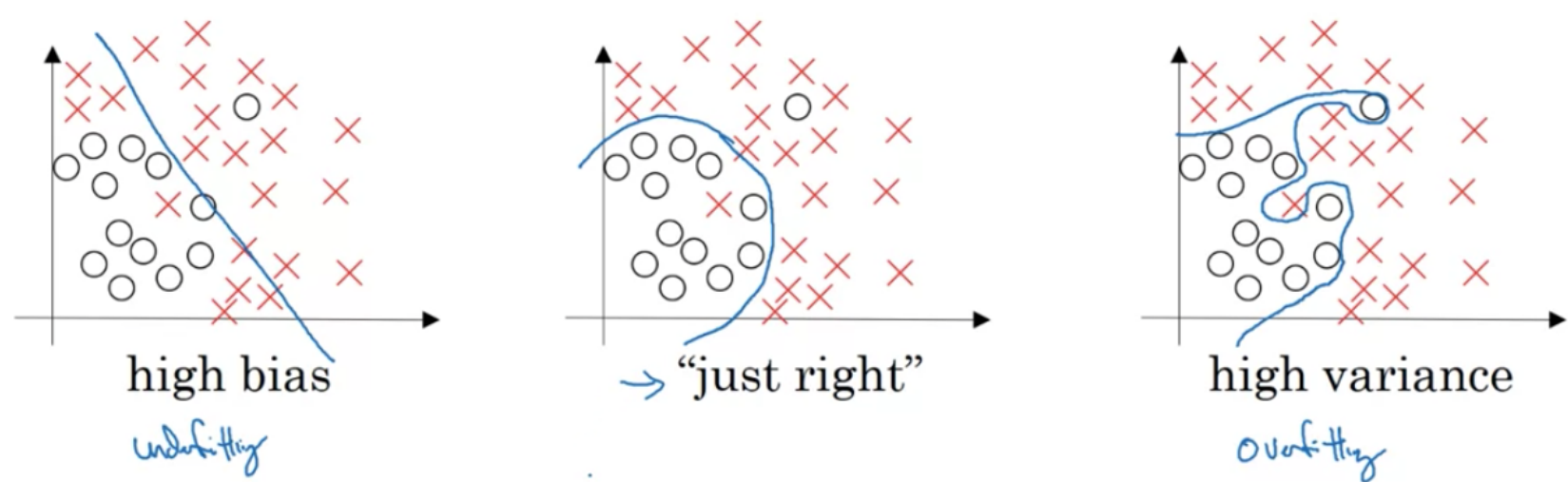
Example

High bias and high variance

Bias and Variance

Example

Bias and Variance



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Bias and Variance

Cat classification



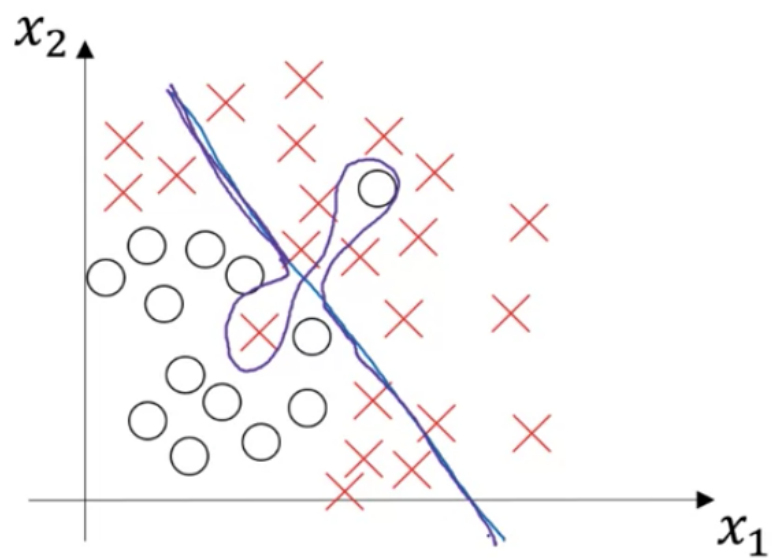
Train set error:	1%	15%	15%	0.5%
Dev set error:	11%	16%	30%	1%
	high variance	high bias	high bias & high variance	low bias, low variance
Human: ~0%				
Op				

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Assumption.
Human Error(Optiaml(Bayes) Error): 0%

High bias and high variance

High bias and high variance



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Q. High bias와 high variance를 동시에 갖을 수 있다?!

⇒ 아... 선형 분류를 하면서 동시에 과적합이 되어있구나... 기괴한 녀석....!