

# Bias and variance


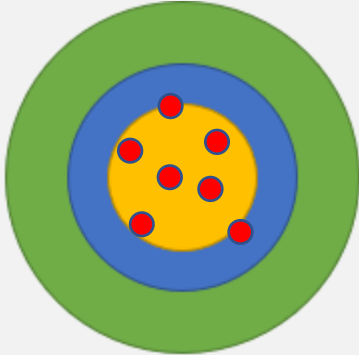

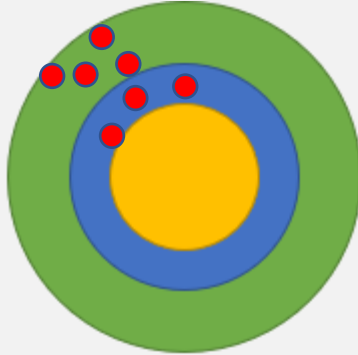
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Bias and variance are two ways to describe the machine learning model and its error (e.g., squared error)

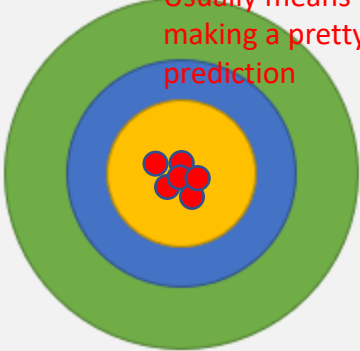
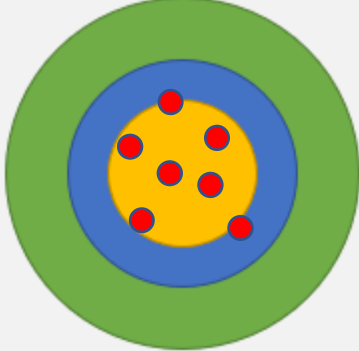

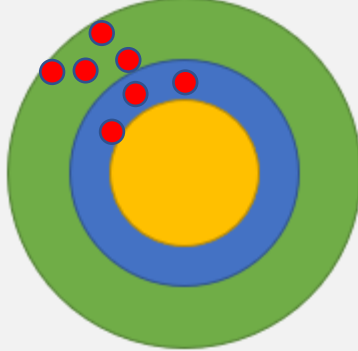
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		Variance	
		Low	High
Bias	Low		
	High		

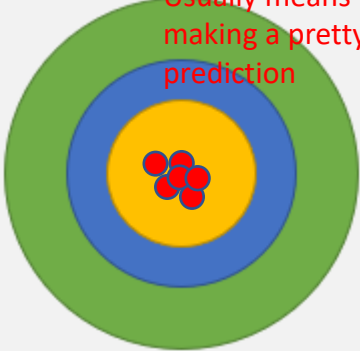
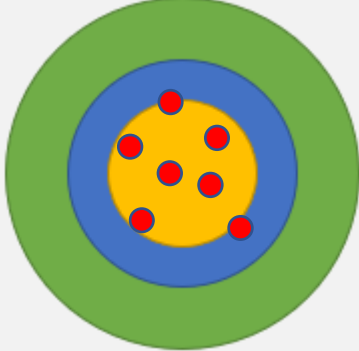

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Bias	Low	<p>Usually means that we are making a pretty good prediction</p> 	
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		Variance	
		Low	High
Bias	Low	<p>Usually means that we are making a pretty good prediction</p> 	
	High		<p>Very bad case, if we have both high bias and high variance</p> 