



More on Bias vs. Variance

Typical **learning curve** for **high bias** (at fixed model complexity):



More on Bias vs. Variance

Typical **learning curve** for **high variance** (at fixed model complexity):



Get more training examples \rightarrow fix high variance

Try smaller set of features \rightarrow high variance

Try getting additional features \rightarrow high bias

Try adding polynomial features \rightarrow high bias

Try decreasing λ \rightarrow high bias

Try increasing λ \rightarrow high variance