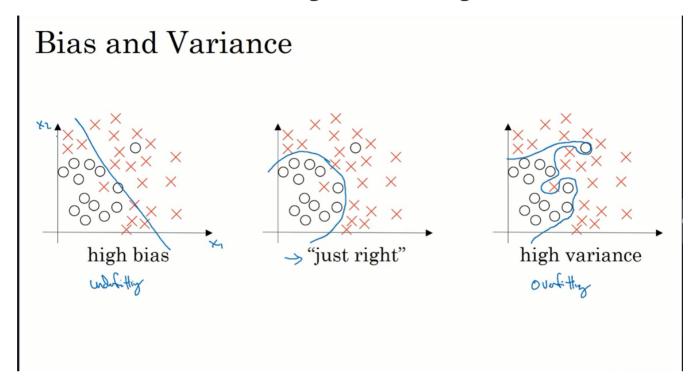
Bias and Variance (underfitting and overfitting)



 $\bullet \ \ Assumed: Optimal \ Bayes \ error: \ 0\%$

| Train set error | Dev set error | |
|-----------------|---------------|------------------------|
| 1% | 11% | high variance |
| 15% | 16% | high bias |
| 15% | 30% | high bias and high var |
| 0.5% | 1% | low bias and low var |