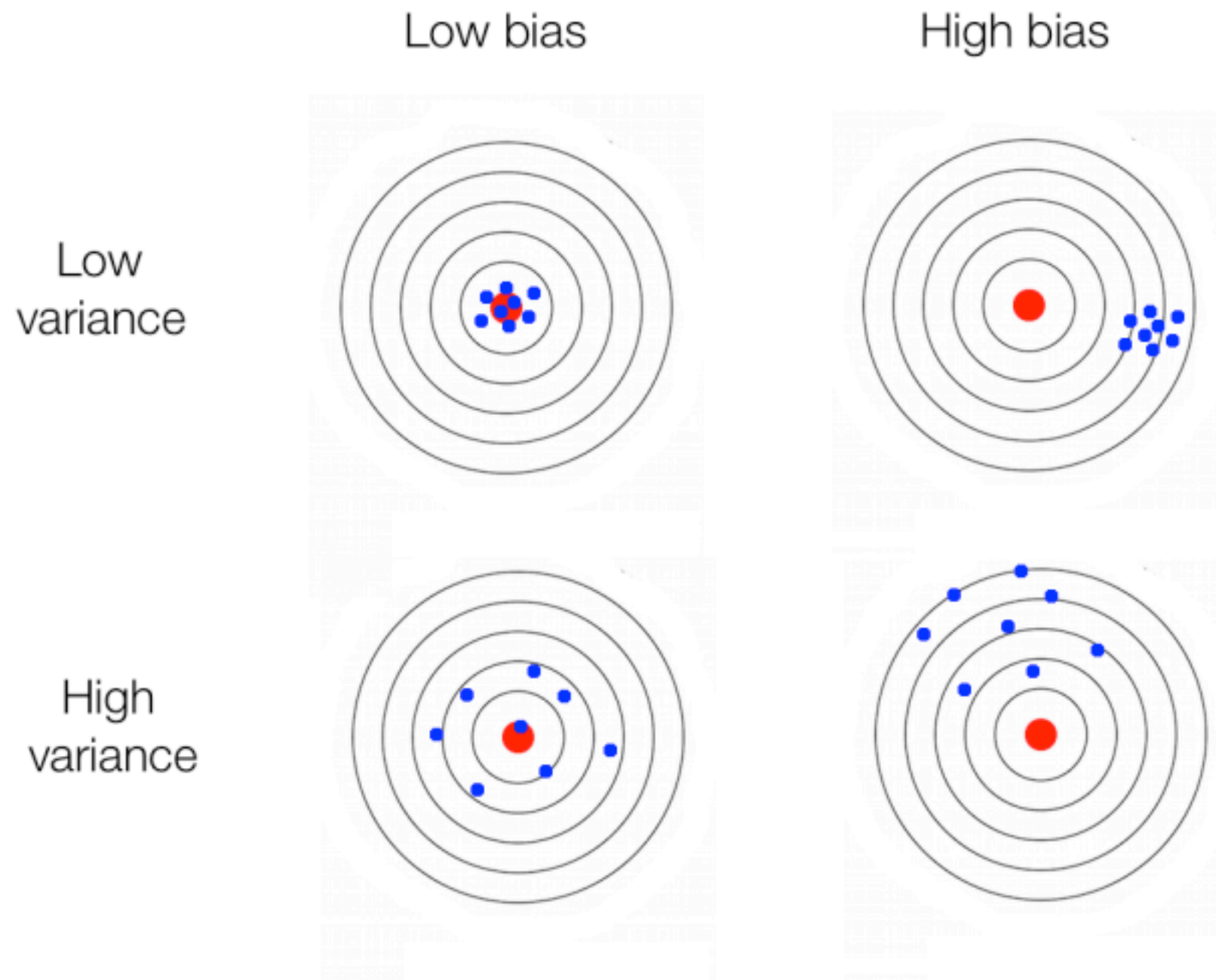
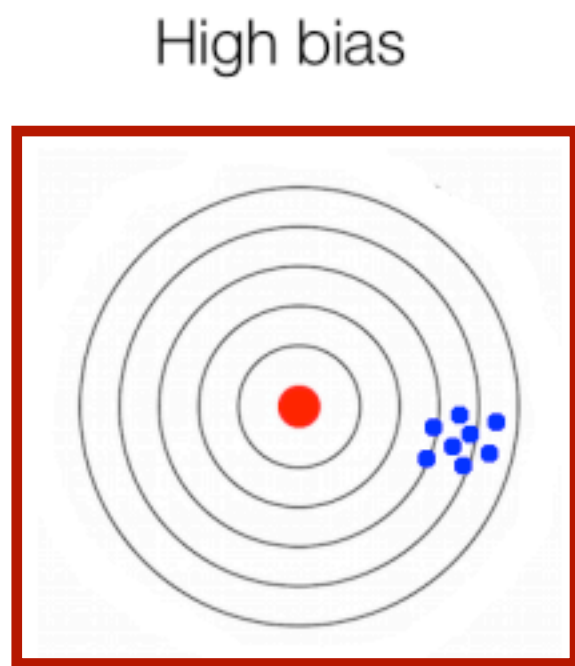
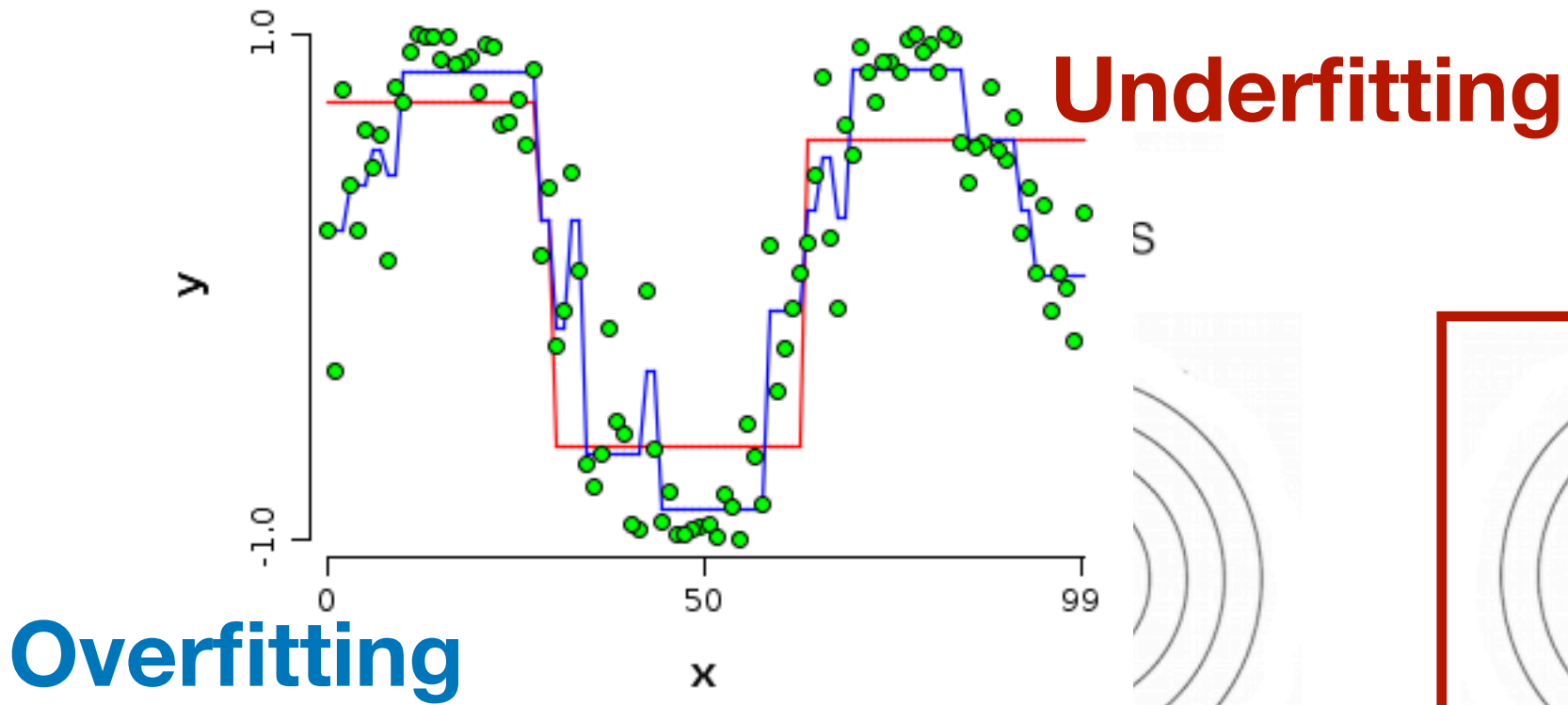


Bias vs Variance

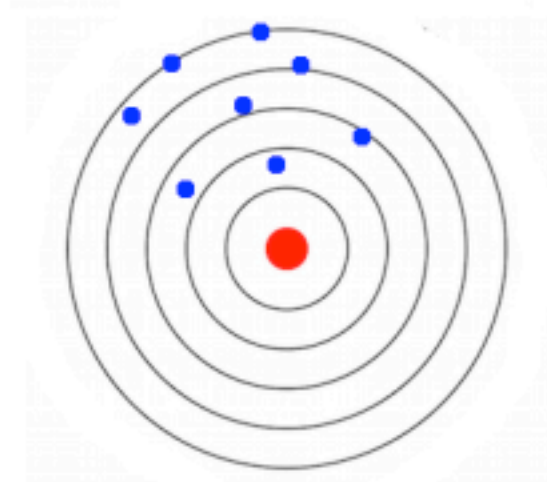
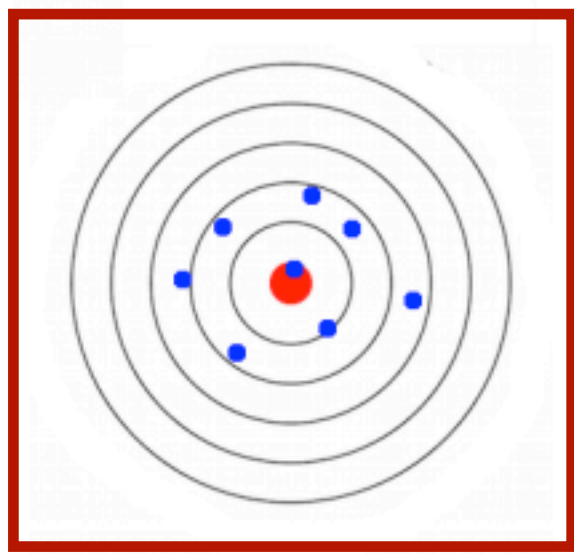
Bias vs Variance



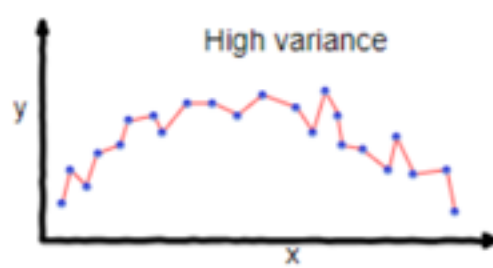
Bias vs Variance



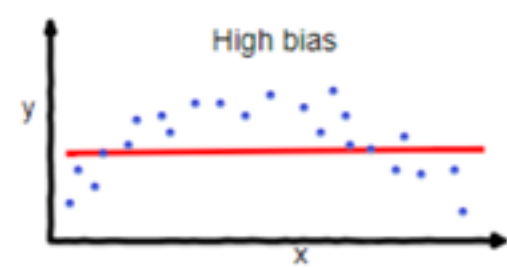
High variance



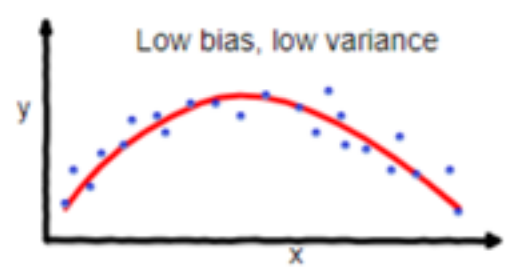
Bias vs Variance



overfitting



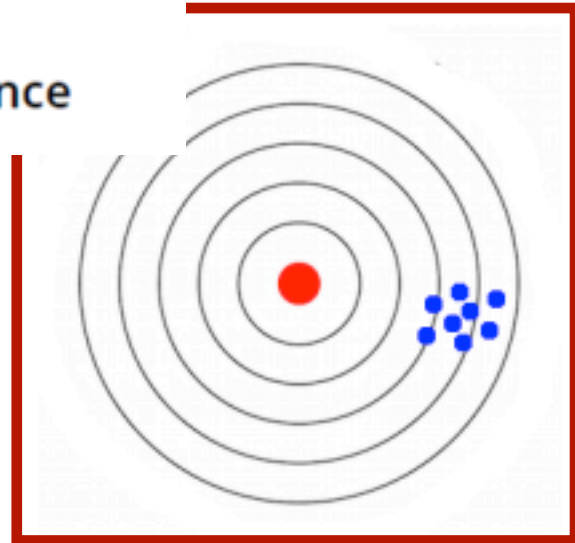
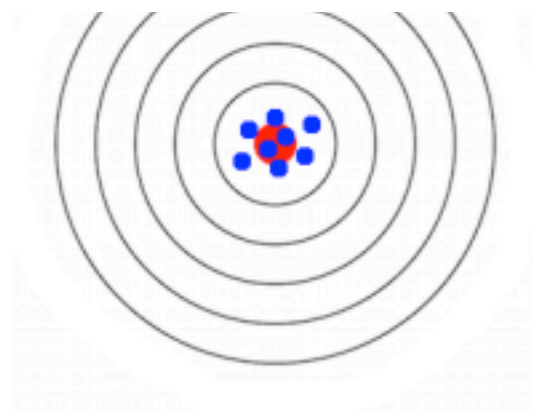
underfitting



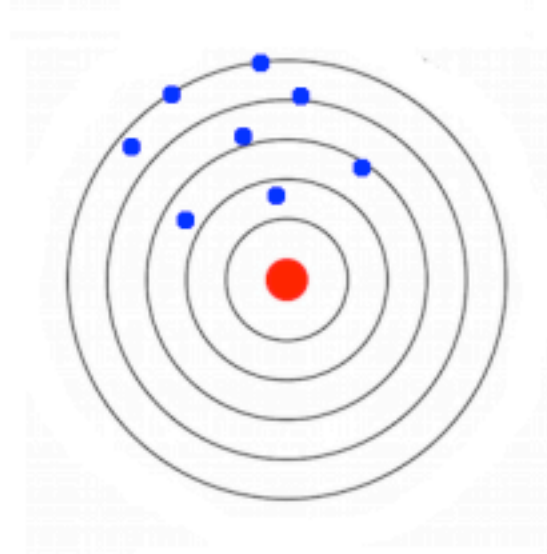
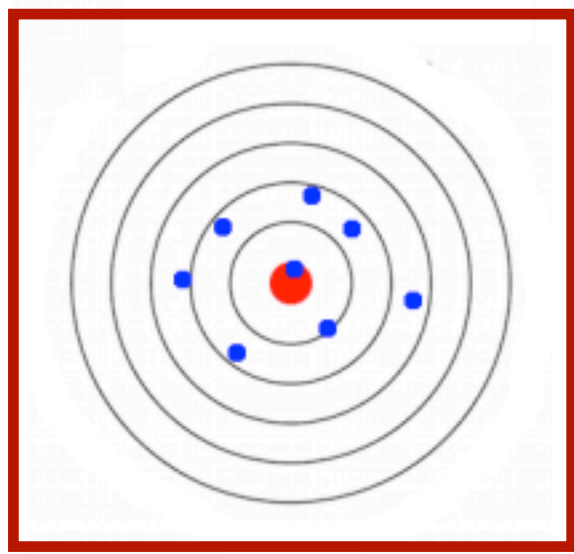
Good balance

high bias

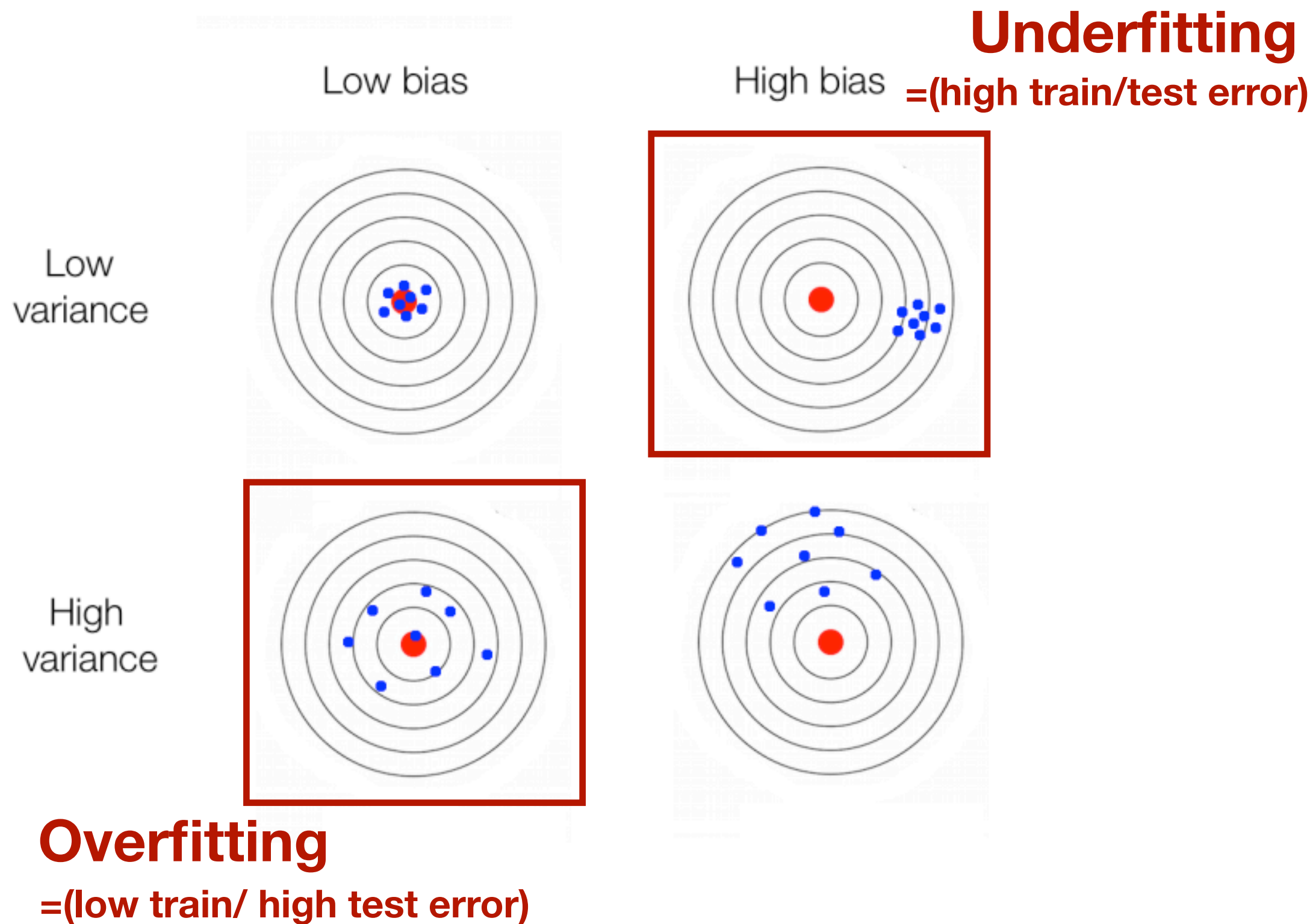
Low
variance



High
variance



Bias vs Variance



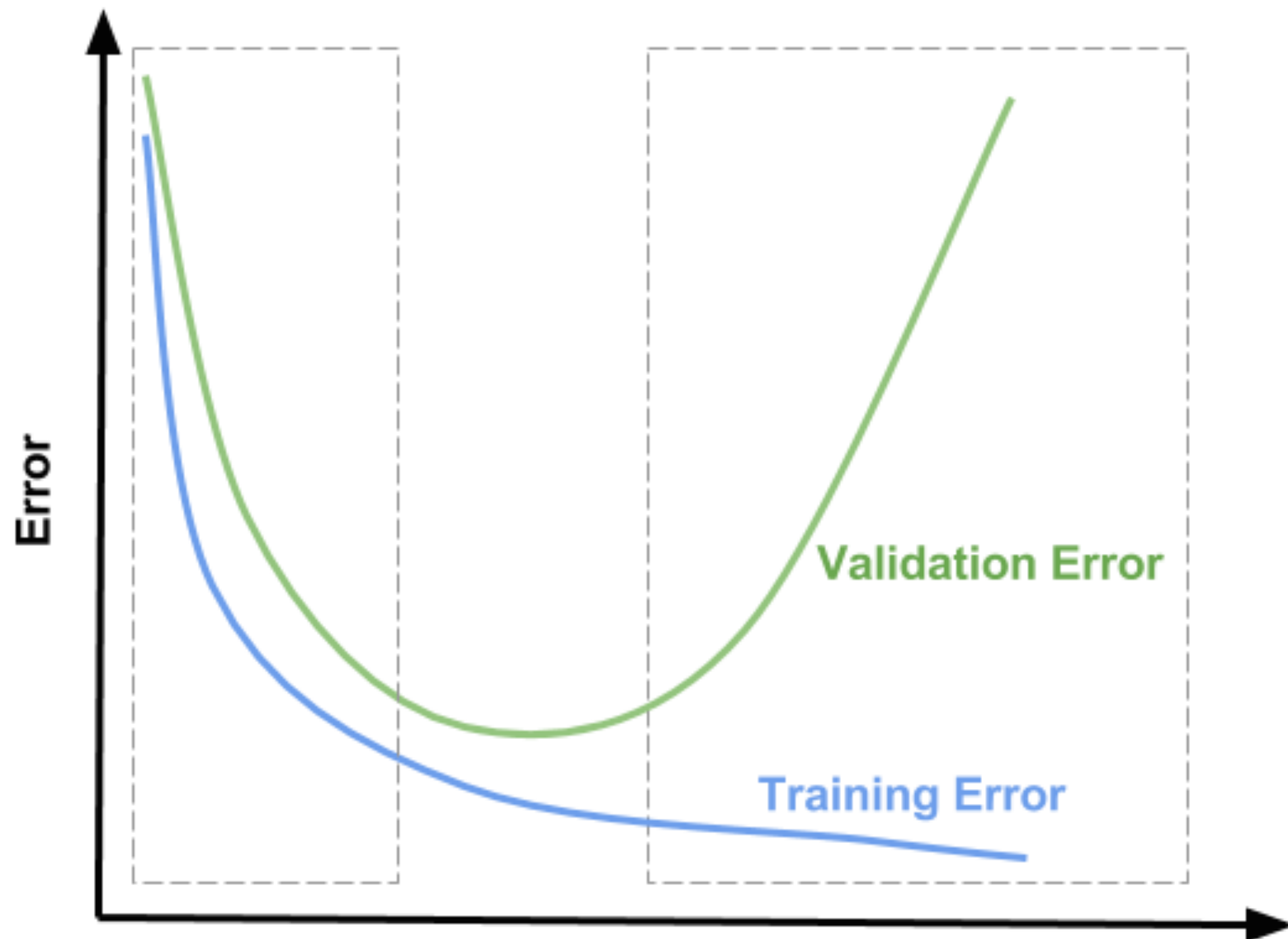
train vs test error

Underfitting

=(high train/test error)

Overfitting

=(low train/ high test error)



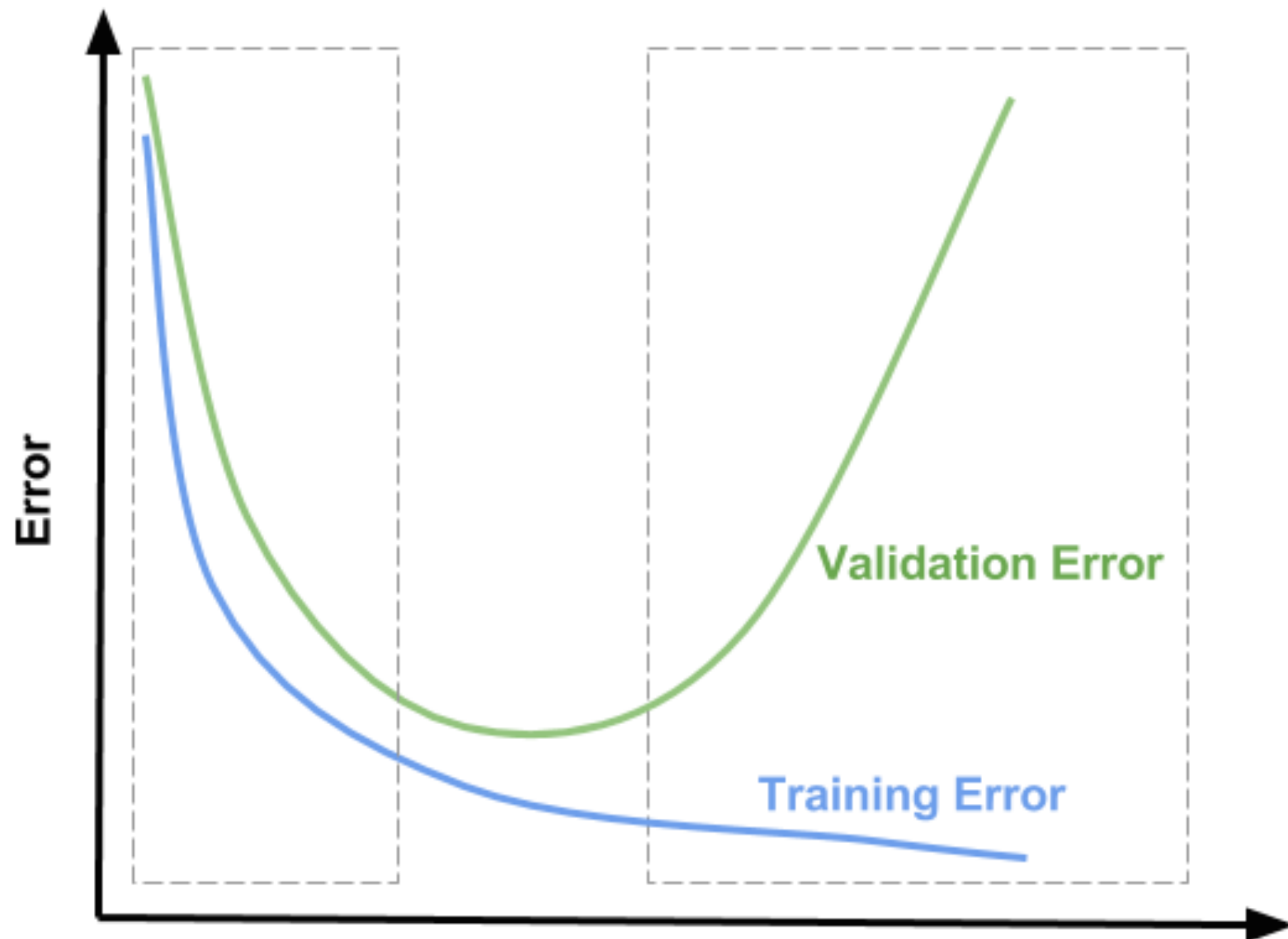
train vs test error

Underfitting

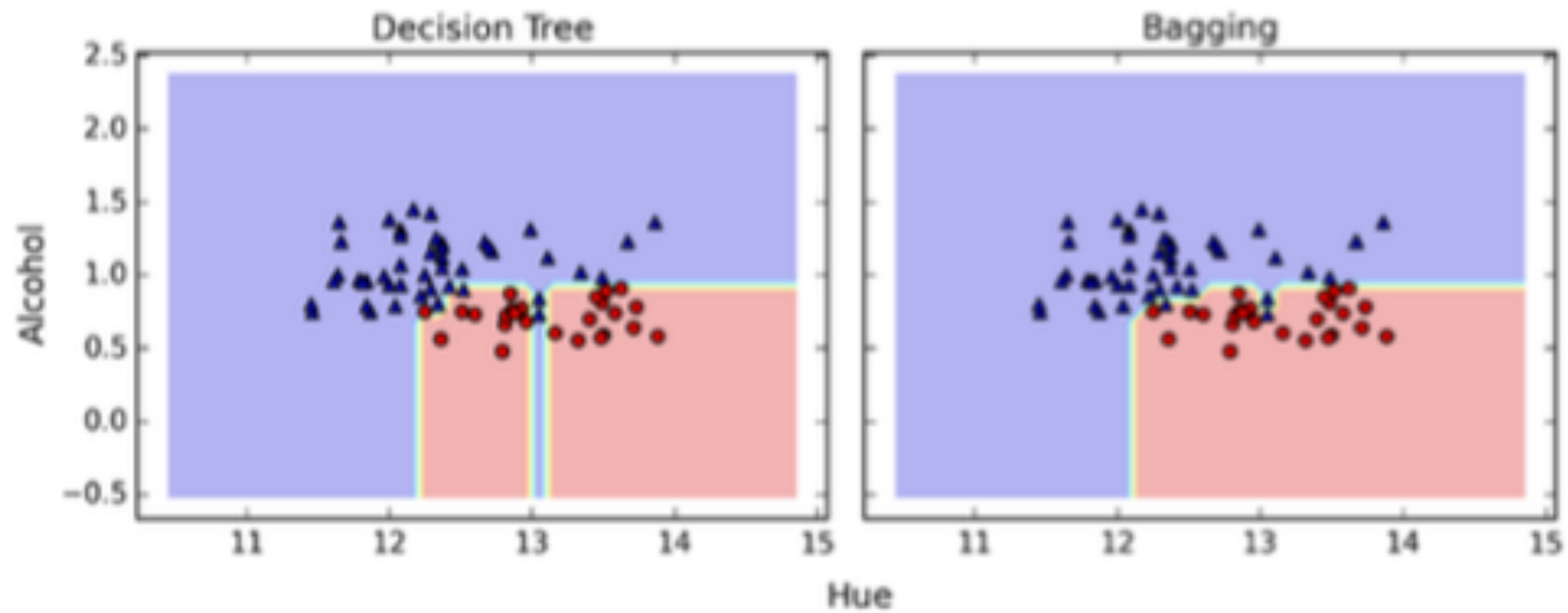
=(high train/test error)

Overfitting

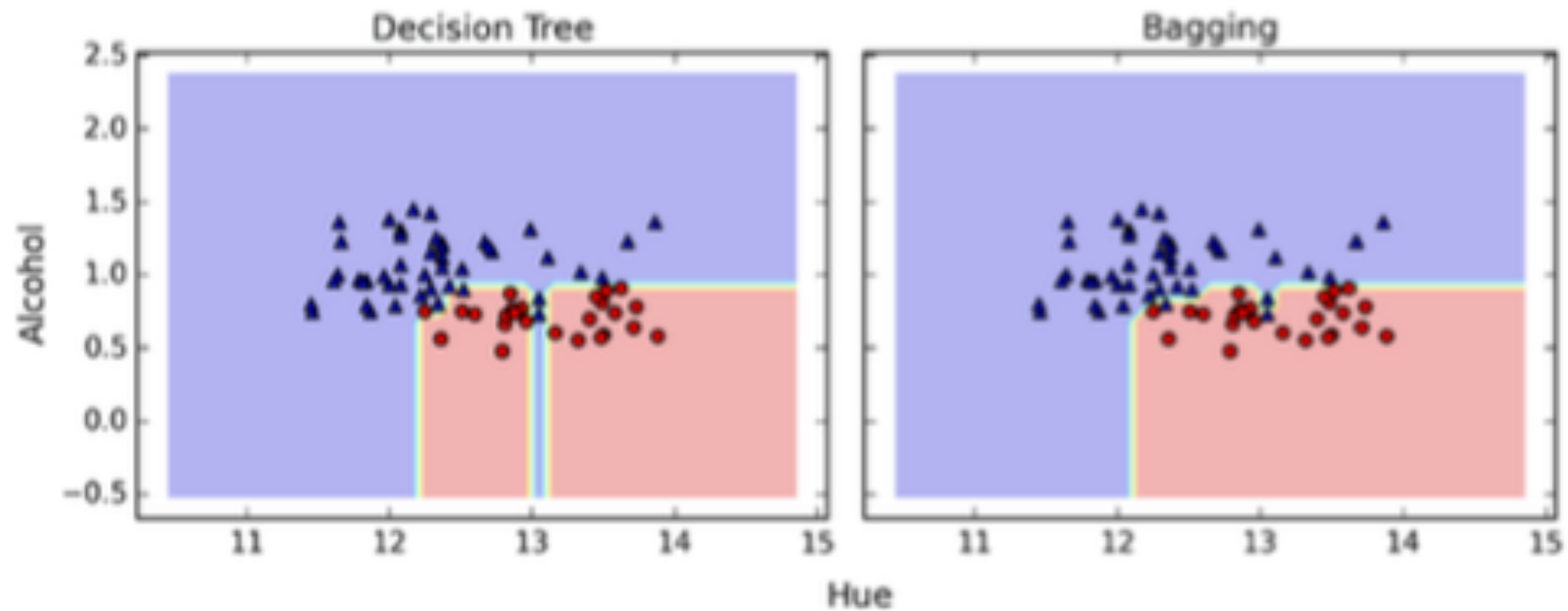
=(low train/ high test error)



Bagging(+Random Forest)는 Variance를 감소시켜준다.



Bagging(+Random Forest)는 Variance를 감소시켜준다.



반면에 앞으로 나올 boosting은 bias를 감소시켜준다.

