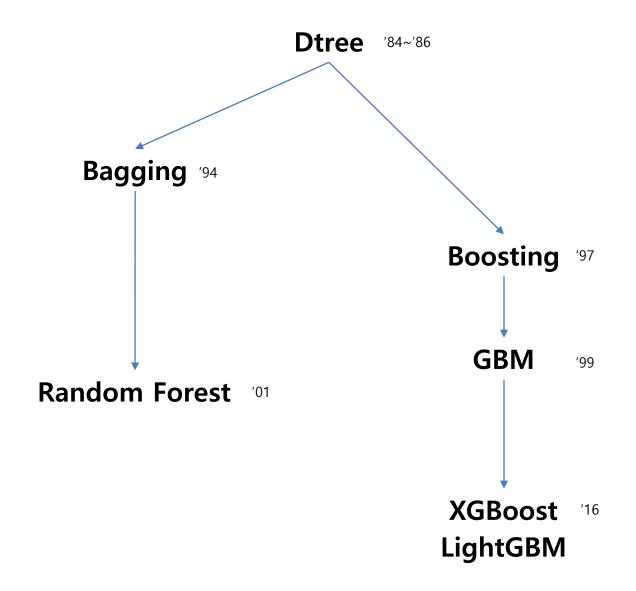


Bagging Tree & Random Forest

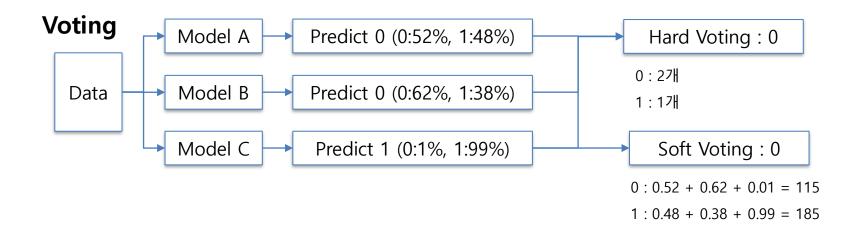
구름 도시공학과 일반대학원

한양대학교

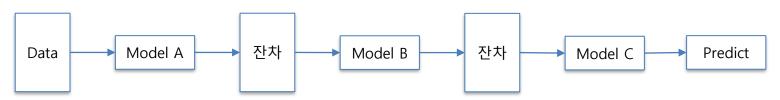
의사결정나무 알고리즘 확장



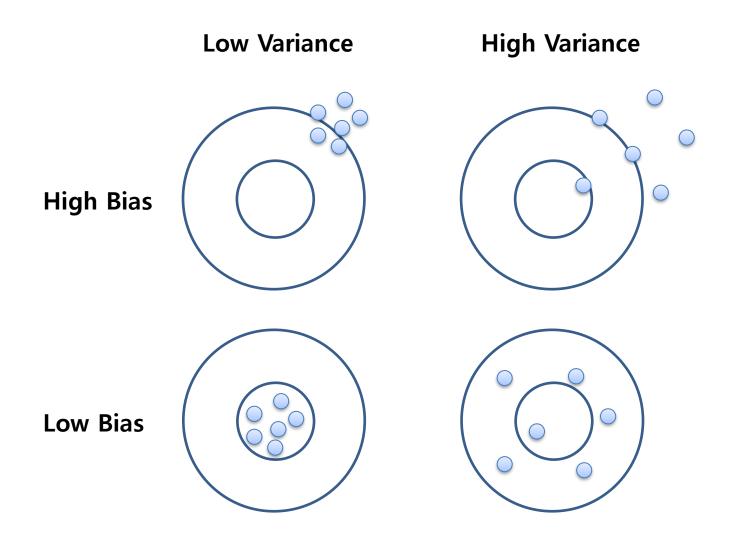
Ensemble Model 2개 이상의 학습 모델을 결합하는 메타 알고리즘



boosting

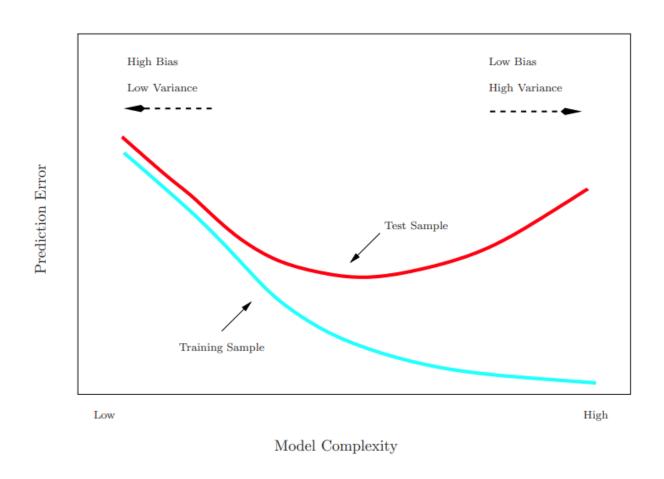


Bias-Variance Trade Off



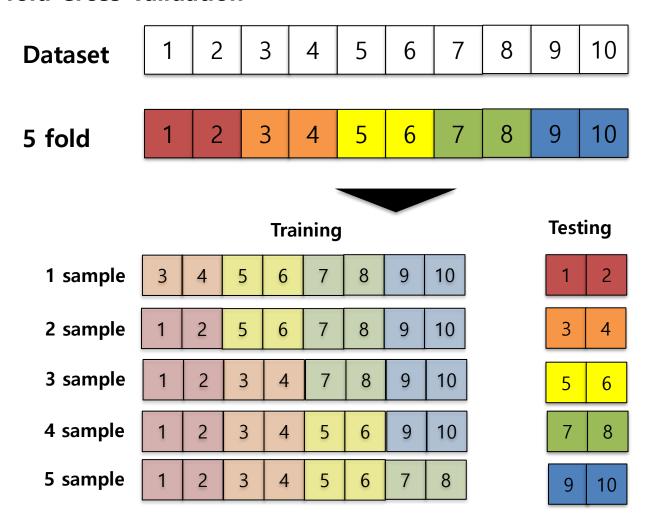
Error-complexity Trade Off

Training Error VS Test Error



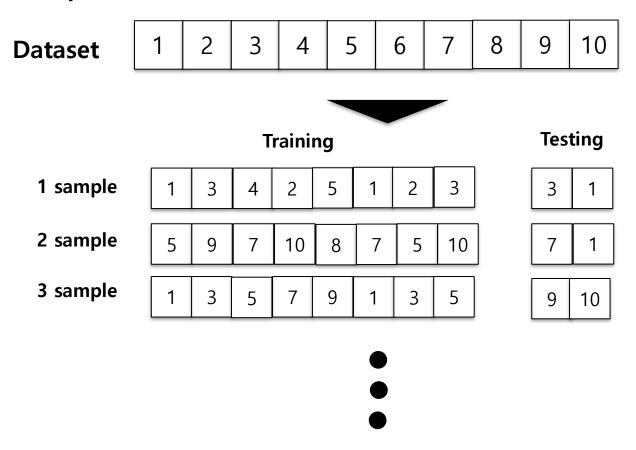
Resampling: Cross Validation vs Bootstrap

K-fold Cross Validation



Resampling: Cross Validation vs Bootstrap

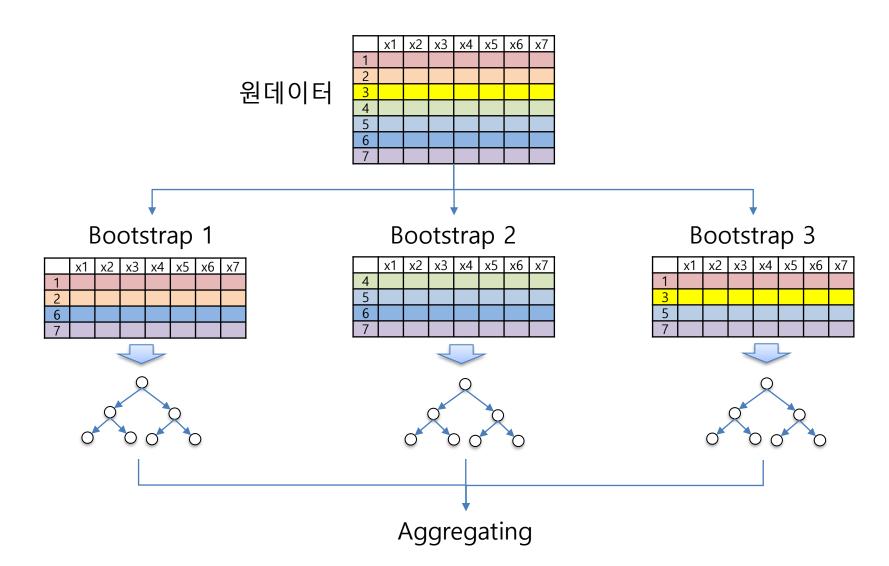
Bootstrap



Bootstrap **Agg**regating: Bagging

Original Dataset 원데이터 Bootstrap Bootstrap Bootstrap sample 2 sample 1 sample n Learning model 2 Learning Learning model 1 model n Aggregation

Bootstrap **Agg**regating: Bagging



Random Forest

