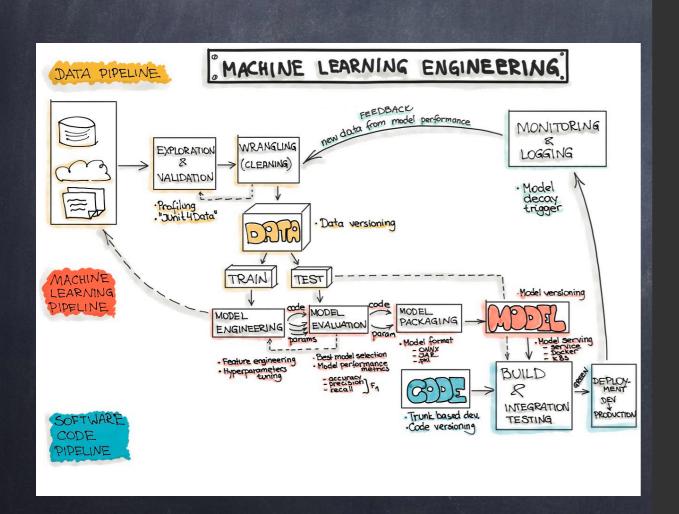
chapter 6
learning best practices for model
evaluation and hyperparameter tuning

전설

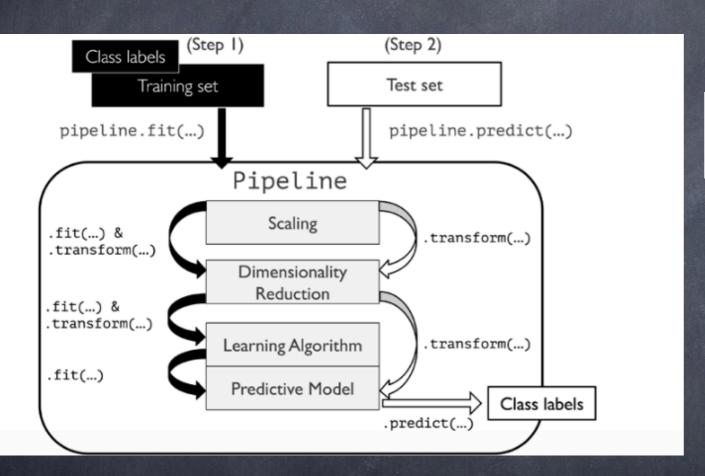
## 1. streamlining workflows with pipelines

### percelines





### sklearn pipeline



test size=0.20,

random state=1)

stratify=y,

train test split(X, y,

. . .

. . .

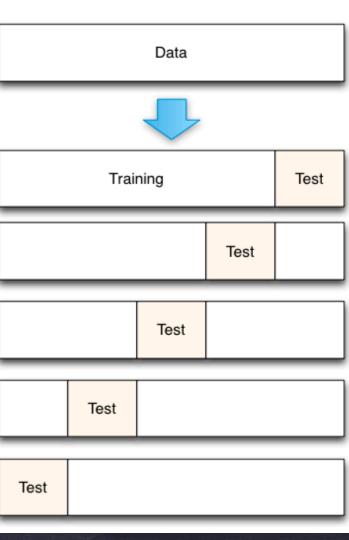
#### 2. Using k-fold crossvalidation to assess model performance

#### k-fold cross-validation

#### K-Fold

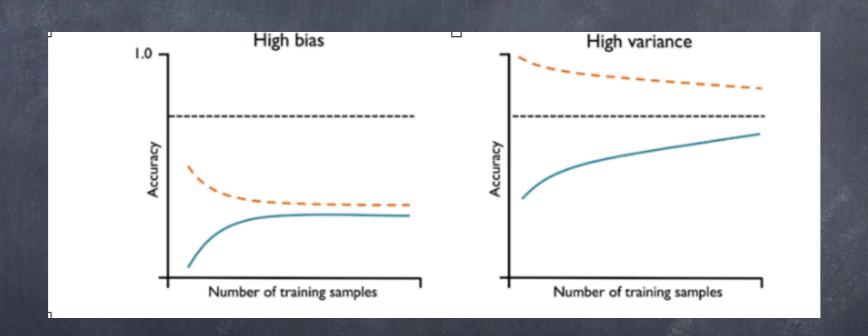
- Train 데이터셋을 K개로 나눈다
- K개 중 한 개를 valid, 나머지를 training 용으로 사용하여 학습
- K개의 모델의 Hyper-parameter의 평균을 최종 결과로 사용한다





## 3. debugging algorithms with learning and validation curves

# Diagnosing bias and variance problems with learning curves



--- Training accuracy

---- Validation accuracy

---- Desired accuracy