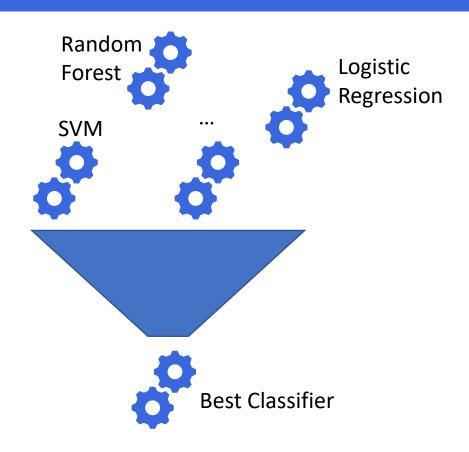
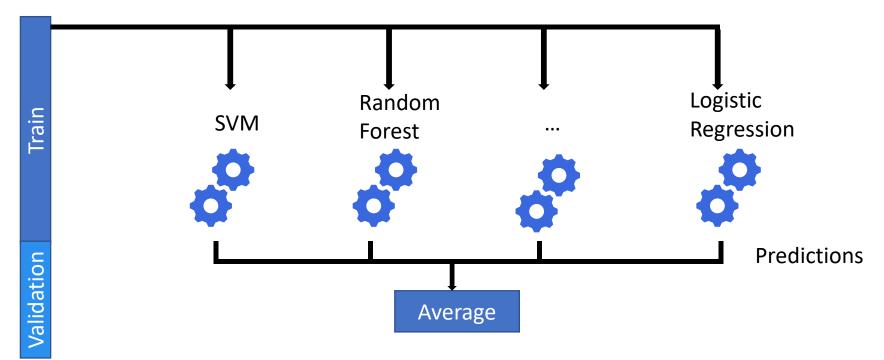
Classical Model Selection

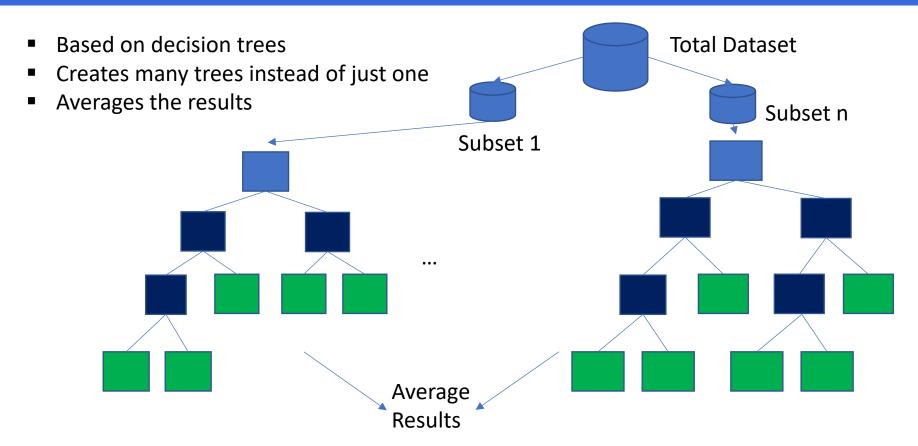


Stacking

- Combines several models
- Target: improve metric compared to single algorithm



Bagging



#### Bagging

- Uses different version of the same model type,
- Models created in parallel
- Example: Random Forest
- Bagging can reduce variance
- Each model differs from the others

### Boosting

- Takes previous models into account for next models
- Models created in sequence
- Examples: xgboost, catboost, lightbgm



Advantages / Disadvantages



- Better performance than individual method
- Reduces overfitting



Black-box

High computational effort